



July 1992



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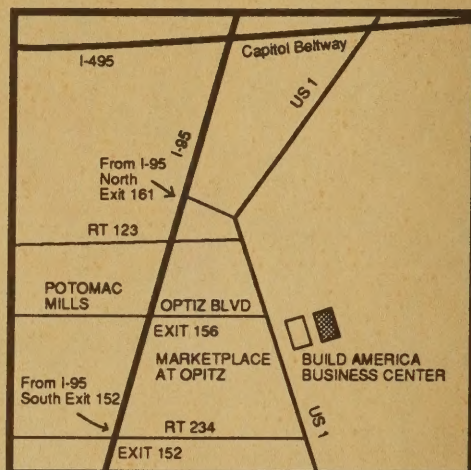
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Columbia Amateur Radio Association
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T-MARC, The Middle Atlantic FM & Repeater Council
Vienna Wireless Society
Washington Adventist Amateur Radio Association
Washington Area Young Ladies' Amateur Radio Club
Woodbridge Wireless, Inc.

EDITORIAL

Tony Young - WA3YLO

President, Foundation for Amateur Radio

The Field Day Experience

Field Day is upon us once again. With any luck, you should be reading this just a few days before the big event and I hope you and your club have been planning to participate. Field Day, club picnics, and Christmas parties are those rare times when club members really get to know each other. It is another opportunity to fine-tune your emergency capabilities and much more! We are a rare community. One frequent comment I hear is that most Hams are friendly, caring people who enjoy doing for others. As often as not, the people who benefit from the Amateur Service are strangers to the hobby.

So, Field Day is another opportunity to chat at length with others in your club. It is a great time to invite new members and new or prospective Hams, even if it just for a few minutes. (Where else can you find out if a club member snores, than in the middle of Field Day Saturday night?). New Novices can get their "on the air baptism," with help at hand if needed. With video cameras, you can record the event for your club history and an enjoyable program for all club members to see at a fall meeting.

There are those who say, "why bother?" (Some always do.) Field day **IS** work, but it can also be so much fun - if you let it. Winning an operating category should be a byproduct of having fun and not the driving force. On the way by, new hams learn how to assemble antennas, rig emergency power, and operate in less than ideal conditions.

When it is all over, I hope you feel that you had fun, were competitive, and attracted new members to the event. I also hope you got all your personal gear back on line intact. My HF rig has been a solar charged battery operated low power Novice Field Day station for 6 years and it hasn't skipped a beat.

Have a great Field Day.

Tony - WA3YLO

INDEX

COLUMNS

ARRL REPORT	11
DX COLUMN	21
ELMER'S CORNER	17
FCC HIGHLIGHTS	7
PUBLIC SERVICE REPORT	13
RECOGNITIONS	26
SILENT KEYS	23
TRAINING	18
VOLUNTEER EXAMINER CO-OP.	19
WANT ADS	49

SPECIAL FEATURES

MD-DC QSO Party	25
T-MARC Coordination - reprint	27
Christmas in April Report	23
Hungry Hams	24

CLUB REPORTS

AMRAD	32
AMSAT - Radio Amateur Satellite Corp	47
Arlington Amateur Radio Club	35
Green Mountain Repeater Assn	44
Herndon Repeater Group	34
Laurel Amateur Radio Club	42
Maryland Emergency Phone Net	43
Maryland Mobileers Amateur Radio Club	47
Metropolitan Communications Net	44
Metrovision Amateur TV Club	33
Montgomery Amateur Radio Club	48
Mount Vernon Amateur Radio Club	36
National Capital DX Association	40
Northern Virginia FM Association	41
Quarter Century Wireless Chapter #23	40
Shenandoah Valley Amateur Radio Club	46
Sterling Park ARC	31
T-MARC Repeater Council	45
Tri County Amateur Radio Club	37
Vienna Wireless Society	38
Woodbridge Wireless, Inc.	39

ADVERTISERS

EEB Electronic Equipment Bank	6
G & G Electronics	50
Ham Radio Outlet	2
Maryland Radio	14
R.F. Connection	41
Rules Service Company	9
SkyPoint Ham Center	53
Virginia Micro System	35
Williams Radio	16

Coming Events

- Jun 27-28** **Field Day**
-
- July 12** **Carroll County Hamfest & Computer Show, Westminster, Maryland**
July 12 **North Hills ARC Hamfest, Pittsburgh PA. N3LAZ (412) 935-3343**
July 18 **Firecracker Hamfest, Triple States RAC, Salisbury, NC Info: N4KVF**
July 26 **BRATS Hamfest and Computer Fest, Timonium, Maryland (p 10)**
-
- Aug 2** **Shennandoah Valley Hamfest, Berryville, Virginia (p 22)**
Aug 8-9 **Maryland/DC QSO Party. Info WA3AAT or WA3EOP (p 25)**
Aug 16 **Southern Patuxent Hamfest, Upper Marlboro, Maryland**
Aug 20-23 **ARRL National Convention, Los Angeles, CA**
-
- Sep 5-6** **Shelby Hamfest, Shelby, North Carolina**
Sep 13 **F.A.R. FEST, Gaithersburg, Maryland (page 8)**
Sep 19-20 **Virginia Beach Hamfest, Virginia Beach, Virginia**
Sept ? **ARRL Computer Networking Conference, Northern New Jersey**
-
- Oct 8-10** **AMSAT Space Symposium (p 47)**
Oct 10-11 **DXPO-92 Holiday Inn, College Park, MD**
Oct 11 **Columbia ARA Hamfest, Howard County Fairgrounds**
Oct 18 **Cumberland County Hamfest, Carlisle, Pennsylvania**
-
- Nov 1** **Mason-Dixon Hamfest, Westminster, Maryland**
-
- Dec 6** **HolidayFest '92, Largo, Maryland**
Dec 11 **Southern Maryland ARC Annual Christmas Dinner/Meeting, Camp Springs, MD Elks lodge.**

1993

- Apr 23-25** **Dayton Hamvention**
Jul 17-18 **Southeastern Division Convention, Atlanta, Georgia**
Aug 13-15 **ARRL National Convention, Huntsville, Alabama**

1994

- Apr 29,30 & May 1** **Dayton Hamvention**
June 10-12 **ARRL National Convention, Dallas, TX**

1995

- Apr 28-30** **Dayton Hamvention**

Thanks to Bob Milligan - KI4MB and the SERA Repeater Journal for providing much of the above information. Please keep Auto-Call advised of coming Hamfests and other important Coming Events. We are anxious to provide our readers with timely information and help to avoid possible conflicts when scheduling activities.

We can use all the help we can get!

THE NEW GENERATION ROTATORS

THEY'RE NOT YOUR FATHER'S HAM "M"

Rotator Comparison Chart

	The New Generation									Old Generation	
Model/Specs	Create RCS	Create RCSA	Create RCSB	Emoto 105TSX	Emoto 747SRX	Emoto 1105MSX	Emoto 1200FSX	Emoto 1300MSX	Emoto 1800FSX	Telex HamIV	Telex TZX
Rotate Torque Ft-Lb	43	116	160	37	50	57	143	215	287	67	83
QDR Right Ant. Inertia	N/A	N/A	N/A	100	400	700	1000	1800	3000	N/A	N/A
Stn. Static Torque Ft-Lb	506	1085	1450	215	502	717	1290	1792	2150	417	750
Wind Load in Tower (ft)	10	25	25	11	22	27	27	33	36	15	20
Mast mount	4	5	7	5	9	12	12	15	16	7.5	10
Rotating speed 360°	60-150 sec variable	60-150 sec variable	60-150 sec variable	55	35	65	40	77	80	60	60
Rev. Delay	None	2 sec	3 sec							None	None
Reset	Opt 3	Opt 3	yes	no	no	Opt	yes	yes	yes	no	no
Computer	no	no	no	no	yes	yes	yes	yes	yes	no	no
Power 120V 60Hz	80VA	140VA	200VA	70VA	70VA	70VA	90VA	120VA	150VA	26V AC	26V AC
Mast dia	2-2.5 in	2-2.5 in	2-2.5 in	2-2.4 in	6-2.4 in	6-2.4 in	6-2.4 in	2.4-3.1 in	3.5-5.5 in	2 in	2 in
Control wire	7 cond	7 cond	7 cond	7 cond	7 cond	7 cond	7 cond	7 cond	7 cond	8 cond	8 cond
Vertical	880	1540	1540	660	1100	880	1760	2200	400	800	800
Mast load #											
Motor size	13	17	20	7.5	9	11	13	13	39.5	24	28
Drive type	worm drive	worm drive	worm drive	disk	friction	friction	friction	friction	friction	wedge	wedge
Self center	yes	yes	yes	Adj	Adj	Adj	Adj	Adj	Adj	no	no
Mount clamp											
Special notes	3-6	3-6	3-6	6	1-6	6	2-6	6	6	4-7	4-7
Price (US)	\$269.00	\$449.95	\$799.00	\$209.95	\$399.00	\$589.00	\$679.00	\$1099.00	\$3272.00	\$369.95	\$439.95
With Pre-set	\$379.00	\$528.95				\$663.00					

Notes:

1. Turns/Tribander 4700 in 35 seconds

4. TZX and HamIV have same motor and gear train parts

5. 120V normal 220V special order

2. Variable speed 40 sec max

5. EEB prices as of 5/91 suits to change

6. Wind Load in 50 mph

3. Variable speed vs RCS constant rotational torque at any speed

6. 120/220 speed transformer

THE NEW GENERATION

An entire generation of amateurs have grown up knowing only one rotator manufacturer. Those old favorites are still popular. But, now a new generation of rotators are out to set high standards with innovative features such as: large machined steel gears, cast and machined aluminum cases, solid state controllers for smooth start/stop, preset, computer control and circular position indicators.

The bottom line is... strong, long term reliability, ease of operation and cost effectiveness. When you erect an antenna system the last thing you need is rotor problems!

CREATIVE DESIGN ROTATORS

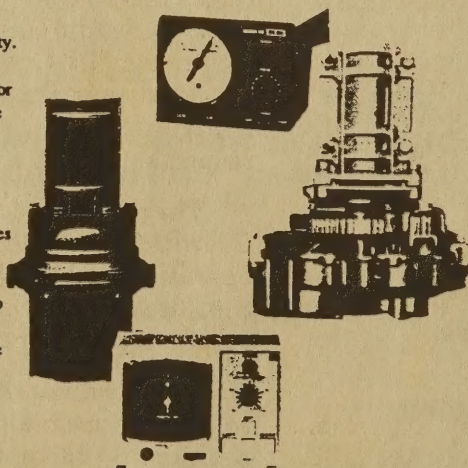
CREATE is serious about long term reliability. The CREATE RCS series rotators were designed with the serious DX'er in mind. Three models for medium, large and ultra large antenna arrays are available.

ROTOR FEATURES OF RCS SERIES

- Large strong reduction gear system provides long term reliability during years of rugged operation.
- Worm drive gearing provides powerful braking force and low backlash to keep your antenna in position during severe weather conditions.
- Cast and machined aluminum case provide the strength required for long lasting service.
- Mast clamp guides for ease of mast installation.

CONTROLLER FEATURES OF RC5 SERIES

- Speed control using silicon control rectifiers allows slow speed without reduction in rotation torque. Rotating spec is constant 60 to 200 seconds per 360 degrees.
- Reverse delay control (RDC). Delays reverse command to rotor until antenna is at rest. Prevents damage to rotor antenna and tower system.
- Circular dial indicator, for quick accurate reading of antenna direction. Great circle overlay available for USA (west-cent-east).
- Preset (on 3 models) a must for quick setting of antenna direction. Just turn the knob to the new heading, the rest is automatic. Won't waste your time holding down the brake lever and wait.



EMOTO ROTATORS

More than 60% of all Japan amateurs use EMOTO rotators. Many unique innovations and international patents have made EMOTO number one.

EMOTO has a fool proof method to calculate which of their rotators will satisfy your needs. This GD² formula considers your antenna (s) weight, boom and longest element length. The EMOTO sheet is in metric so one must convert weight 2.2lbs= 1kg and length in meters 3.3ft=1 meter. Calculate your GD² then compare EMOTO GD² spec above.

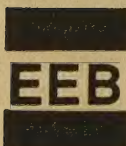
$$GD^2 = W \times \frac{L^2 + B^2}{12}$$

Where: W: weight of antenna (kg)
L: length of longest element (m)
B: length of boom(m)

GD² EXAMPLES: Kgm²

TH7DX (437), TH3JR (63), 205BA (675), DISC7-3 (1300), A3S (61), A4S (173), KLM KT34XA (378), 3 ELE TRIBAND (150), 6 ELE TRIBAND (400), 20M 5 ELE (750), 15M 6 ELE (650), 40M 2 ELE SHORT BOOM (240), 40M 2 ELE FULL BOOM (800), 80M 2 ELE (1500), STACK ARRAYS 10M 5 ELE (60), 15M 5 ELE (200), 20M 5 ELE (750), 60+200+750=1010

EMOTO also has a robust AZ-EL rotator that has computer I/O ports. For those working satellites or EME moon bounce the EV700D5X should do the job, as rotating torque is more than double the YAESU G5400B AZ-EL.



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FCC Highlights

by Jack Kelleher - W4ZC

Freebanders Part II

In last month's column we reported the latest FCC action against some of the more blatant operations in the 27 MHz range, between the CB band and the 10-meter Amateur band.

According to the May 14 Westlink Report, the freebander nets are continuing, with the enforcement action the primary topic of discussion. On-air conversations monitored by Westlink Report appear to center on ways that the freebanders can "get even" for the Government enforcement action. Westlink says "A number of those making the most noise appear to be stations cited who say that they will not pay any forfeiture notice they might receive. One operator identifying only as 'Marty the Michigan Double Zero on the Side' said that he didn't go to the FCC to 'get no (expletive deleted) license to buy my (expletive deleted) radio' and that he 'ain't gonna pay them a (expletive deleted) red penny cent now either'. His sentiments are echoed by numerous other freebanders in their on-air comments.

"The most interesting and possibly the most radical comments are those of the group hanging out on 27.925 MHz LSB. They say that it is time for freebanders to 'take over the ham radio frequencies' claiming that there are probably a hundred times more of them than there are hams."

Despite this "outcry", at press time NALs (Notices of Apparent Liability to Monetary Forfeiture) were being readied for mailing.

It appears to your editor that these scofflaws feel there is safety in numbers, and that might is right. They may be well advised to also remember an old saying that the mill of the gods grinds slow but exceedingly fine.

Drug Abuse

A Brief in the ARRL letter of May 12 reads: "The FCC, by public notice released April 30, has announced its policy regarding the applicability of Section 5301 of the Anti-Drug Abuse Act of 1988 to the Private Radio Services. Until FCC forms (such as the 610 used by amateurs) are updated to include the explicit certification, FCC will treat an applicant's signature on an

application form as constituting certification that the applicant has not been denied federal benefits as a result of federal or state court action following conviction for the possession or distribution of controlled substances. Applications for which there are no Commission forms, such as requests for Special Temporary Authority, will require submission of a signed statement that neither the applicant nor any party to the application is subject to denial of benefits under Section 5301. In certain emergency cases, verbal certification may be acceptable."

K3VOA. The May 12 ARRL Letter also reports that the FCC has granted the Voice of America Radio Club station in Washington D.C. the call K3VOA. Although specific call signs for amateur stations have not been available for more than a decade, FCC Chairman Sikes made an exception for the VOA club in this, the 50th anniversary year of the VOA. Several countries have recently issued special "VOA" call signs.

The FCC at Dayton.

(condensed from W5YI Report May 15 1992)
Personal Radio Branch chief John Johnston and analyst William Cross gave an excellent overview of Amateur radio issues before the Commission. They congratulated the many hams who devote their time to the Volunteer Examining Program; they made the case for why Novice examining would benefit from being brought into the VE program; and they described the VE program as superior to the previous FCC system in many respects.

They invited the Volunteer Examiner Coordinators to give short presentations on the operation of the Question Pool Committee and the Tech Plus Data Base. Fred Maia, W5YI responded on behalf of several VECs.

They diplomatically encouraged amateurs not to file rulemaking petitions unless the petitioners have thought through all of the regulatory implications, done adequate research and have obtained support of fellow hams before filing. Many petitions are simply attempts to deal with limited, local squabbles, with little thought given to how the rule change would affect the national amateur community.

FCC Highlights - Continued

William Cross described the major increases in the fines being imposed on violators of FCC rules, saying in part: "Until now, your forfeitures generally have been too small for the FCC to involve the Department of Justice. That has changed, quite obviously. So pass the word. It's going to cost you big bucks to violate the rules. You should also give more thought to whether you really want more rules before you shoot off that (rule making) petition. Ask yourself if you really want to run the risk of being socked \$10,000 for violating the rule you proposed."

Messrs Johnston and Cross also noted that the most often asked question is "How can I get a specific callsign?" Many years after the FCC switched to an automated system that issues callsigns according to well known rules, staff members are still getting requests for exceptions.

The station call is only changed when the box in item 2E on Form 610 is checked. Each change in callsign is processed using the procedure for a new callsign; thus, Amateurs cannot change their calls back to the one they used to hold, or to calls held by famous Silent Keys, or to other desired combinations.

A ham's license information is kept in the FCC's database for two years beyond expiration. This provides a grace period for those who forget to renew their expired licenses. The two year grace period was added when the FCC started issuing licenses for ten-year terms.

Illegal CB Equipment

W5YI reports that the FCC's San Francisco field office, assisted by U.S. Marshals, raided the Yak Yak Shack in Coming, California and confiscated 27 pieces of illegal CB radio equipment. These included 20 linear amplifiers (capable of operating at power levels in excess of the limits set by FCC Rules) and seven CB transceivers modified to operate on unauthorized frequencies. Shop owner Jerry J. Weiss faces a maximum criminal penalty of \$100,000 in fines and/or one year in prison.

Amateur Radio Business Communications

The March 1992 column included the restatement of Part 97.113 of the Commissions's rules proposed by ARRL, together with the existing text of 97.113. We understand that the Commission may consider a Notice of Proposed Rulemaking as early as mid-June.

✕ ✕ ✕

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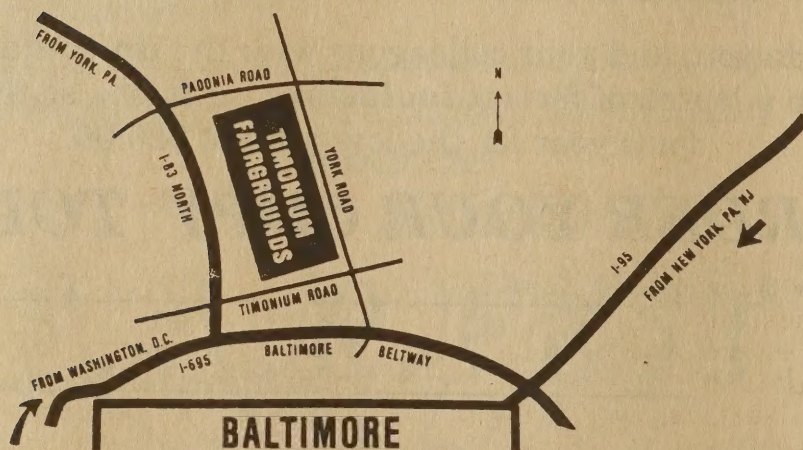
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American Radio Relay League Report

By John Swafford -- W4HU

This ARRL Report provides a brief summary of information published in the ARRL LETTER and other reports. The LETTER provides timely news of interest to active Radio Amateurs. Any League member may subscribe to the ARRL LETTER.

Radio Frequency Interference Handout.

Hot off the press is a free ARRL pamphlet explaining radio frequency interference to the layman. Although intended to be handed to one's neighbor when an interference complaint arises, most Amateurs will also find the handout a handy, concise summary of RFI issues and well worth reading. Here's the first paragraph your neighbor will read:

"As our lives become filled with more technology, the likelihood of unwanted electronic interference increases. Every lamp dimmer, hair dryer, garage-door opener, radio transmitter, micro-processor-controlled appliance or remote-controlled new technical 'toy' contributes to the electrical noise around us. Many of these devices also "listen" to that growing noise and may react unpredictably to their electronic neighbors."

The pamphlet stresses cooperation. After pointing out various sources of electronic pollution, it says:

"With all of these possibilities, it is difficult to guess which type of problem is causing your interference. Usually, only a technical investigation can pinpoint the cause and suggest a solution. This is where a spirit of cooperation and trust will pay off! If you believe your equipment is picking up signals from a nearby radio transmitter, the operator may be able to help you both find a solution to a mutual problem."

The section entitled "Personalities" is worded in such a way ("you and your neighbor") that the points of view of either the "interferer" or the "interferee" become interchangeable.

But make no mistake -- the pamphlet emphasizes that many if not most cases of interference to consumer electronic devices are

the result of deficiencies in that equipment -- without belaboring the point.

Finally, the brochure lists addresses for the ARRL, the Electronic Industries Association, and the FCC (in Washington), as well as a few suggested sources for high-pass, common-mode, and telephone interference filters.

The pamphlet is available in small quantities for an SASE from ARRL Headquarters; contact the ARRL RFI DESK for special arrangements if you wish to obtain large quantities.

[Editorial comment: This is a terrific pamphlet, and every ham who's on the air should have at least a couple on hand in case of an "emergency."]

"Andy" Anderson - KØNL (ex-W3NL) SK.
Ralph V. "Andy" Anderson - KØNL, died May 4 in Holton, Kansas. He was 82. He was a prolific Amateur Radio writer and editor, and served as ARRL Midwest Division vice-director and director. He was also a director of the ARRL Foundation.

In 1929, at age 19, he received his first Amateur license, the same year he joined the U.S. Naval Reserves. He volunteered for active military duty in November 1940 and worked in cryptology in Washington, D.C. during World War II, receiving a commendation from the Secretary of the Navy for his work.

Following the war he remained in the Navy for 20 years. While in Washington he was in charge of the Air Force MARS station at Bolling Field, formed the Maritime Mobile Amateur Radio Club, and began writing a column for the new CQ Magazine.

He began publishing a newsletter for the and in 1952 founded the Auto-Call magazine. He edited and published the Auto-Call for the

ARRL Report - Continued

next 20 years - including 5 years after he retired and moved to Kansas. He continued a paternal interest in the Auto-Call for the rest of his life.

In 1965 he retired from the State Department and the Naval Reserve and moved to Holton, KS where he continued his Amateur activities and became an early computer experimenter. He then joined with six other editors across the country to found the Amateur Radio News Service (ARNS) and continued to publish that Bulletin for 23 years. He also did local editing and printing, on his own offset duplicator.

In January 1974, he published in QST an early construction article using integrated circuits, "The Thirty Dollar Counter" (which won him a QST Cover Plaque).

Andy Anderson leaves a sister, Jeannette King of Topeka, Kansas. His wife, Bernetta Anderson, died in 1978.

Jan King - W3GEY Retires as AMSAT VP.

AMSAT has announced the resignation of Jan King - W3GEY, as vice president for engineering. King, one of the founders of the Radio Amateur Satellite Corporation in 1969, cited increased work and family commitments in his decision and said he remains "a loyal AMSAT member."

King hopes to serve out his term as a member of the AMSAT board of directors. A list of potential successors to the vice president-engineering post is being reviewed.

Commendation for Amateurs in Sea Rescues

Nine members of the California-Hawaii Maritime Amateur Radio Net received letters of commendation from FCC's Ralph Haller - N4RH, Chief of the Private Radio Bureau, for their efforts in assisting two private yatchters in September of 1991. The group has been credited with saving 7 lives. Haller's letter said in part, "You have shown, in a very dramatic fashion, the good that can be accomplished by amateur radio and by dedicated amateur operators."

W1AW Code Practice: Effective June 1, W1AW will discontinue its Monday morning code practice and bulletins. Beginning on that date Monday transmissions will commence at 2000 UTC. The change is to allow time for

increased routine maintenance and performance testing of station facilities. The W1AW schedule in May QST, page 125, reflects the change; the Tuesday-Friday schedule is unchanged.

Briefs:

- o Papers on teaching Amateur Radio are welcomed for presentation at the ARRL 1992 National Educational Workshop at the ARRL National Convention in Los Angeles August 21, Prospective authors should contact Tracy Simpson at Headquarters for an author's kit.

- o AMSAT-North America is scheduled this week to move all its internal business communications to CompuServe Information Service and INTERNET, according to the AMSAT News Service. After seven years of using "Sprint Mail" AMSAT decided to make the change, which it believes will save some \$25,000 a year.

- o An RTTY pioneer has joined the Mixed DXCC Honor Roll with every contact made by Radioteletype. Gin Naniwada - JA1ACB has just received five new DXCC credits bringing his total to 315 current DXCC countries (321 total including deletions). He is the leading RTTY DXCC participant and the first to achieve Honor Roll level exclusively on the mode (there is no specific RTTY DXCC Honor Roll nor plans to institute one).

But aside from just working DX, Naniwada, 57, has been instrumental in promoting the cause of RTTY around the world through his direct financial support of DX operations and as a contributing member of the International RTTY DX Association.

Naniwada became interested in Amateur Radio as a teenager, in 1949. Following the end of World War II Amateur Radio was not legalized in Japan until 1952 but "as old timers know there were a tremendous number of outlaws -- just as in West Germany," JA1ACB says. "I was one of them - hi."

"I always try to help others," Naniwada says. "I have placed RTTY gear in more than 70 countries (25 of those expeditions) and supported financially more than 20 other countries." His support has been in the form of both direct donations of equipment as well as a contributing member of the International RTTY DX Association. ✻ ✻ ✻

Public Service Report

Hank Black - N3ESR

(301) 340-8595

Material for the PUBLIC SERVICE REPORT can be left to N3ESR on the WA3ZNW packet bulletin board on 145.090 MHz, called by telephone, or mailed electronically by modem on arrangements, or mailed to Public Service Report, 105 North Van Buren St., Rockville, MD 20850-1860.

Deadline for receipt of material is the third of the month.

Multiple Sclerosis 150-kilometer Bike Tour

The 1992 Multiple Sclerosis 150-kilometer Bike Tour was supported by 40 hams over a two-day period, 16th-17th May. Nearly 2,000 cyclists participated in the event, which was held in Northern Virginia's Loudoun, Prince William, and Fauquier Counties. Ham radio provided communications ensuring safety, and passing health and welfare traffic at the various rest stops. There were six ambulances supporting the ride and 15 "sad wagons" used to assist the cyclists. Net control was located at High Roads Center.

The following Amateurs Supported the event:

Altat - KC4YMS,	Chuck - W4LFO,	Maitland - AA4HS,	Art - AB4XV,	Norm - KB4VCV,
Terry - KB2HPJ,	Gordon - N4YTX,	Chris - KK4GC,	Bob - KK4GB,	Paul - N4KEQ,
Dan - KC4OCG,	Harold - N3BRM,	Bob - N4SCK,	Dick - NH6E,	Jeff - KC4RON,
Eddie - KC4EFJ,	Donna - N4URL,	Bo - N4VEC,	Bill - K3CUU,	Dave - N4JGQ,
Steve - KB2CEV,	Mike - W3CCV,	Jim - WA2GIN,	Judy - KC4WES,	Art - KD4CSO,
Tom - KA4FHK,	Harry - W4PVA,	Gene - KM4FJ,	Roy - KC4YGB,	Frank - KD4CCT,
Ed - KA3RWX,	John - KA4YMA,	Steve - N4EKL,	Sam - KD4HBN,	Darian - KB8FOX,
Chuck - N4HCP,	Bernie - KC4YMP,	Ann - KD4KCT,	Larry - KA3BAL,	

Special thanks is due for the use of the two repeaters: To Wes Boxwell - WA4TSC for the 147.300 repeater, and to the Herndon Repeater Group for the 145.310 repeater.

The National Capital Chapter of the National Multiple Sclerosis Society expressed its appreciation to the Amateur Radio operators for their support and service during the 1992 MS 150K Bike Tour.

- Submitted by Dave Rogers - N4JGQ -

PUBLIC SERVICE CALENDAR

Aug 1	Winchester Junior Trialathon Winchester, Virginia Contact Walt Johnson, WA4HVU (703) 667-1474
Aug 2	Winchester Trialathon Winchester, Virginia Contact Walt Johnson, WA4HVU (703) 667-1474
Sept 5-7	Children's Festival Wolf Trap Farm, Vienna Contact Ed Ober, KC4F (703) 591-0422
Sept	National Capital ARES Council Meeting (Location & date yet to be determined) Contact Henry Black, N3ESR (301) 340-8595 or David Drysdale, N3JGL, (202) 291-3838

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 Amidon, Butternut, Cable Factory, Larsen,
 Nye, Vanco, VanGorden, Vibroplex, DRSI,
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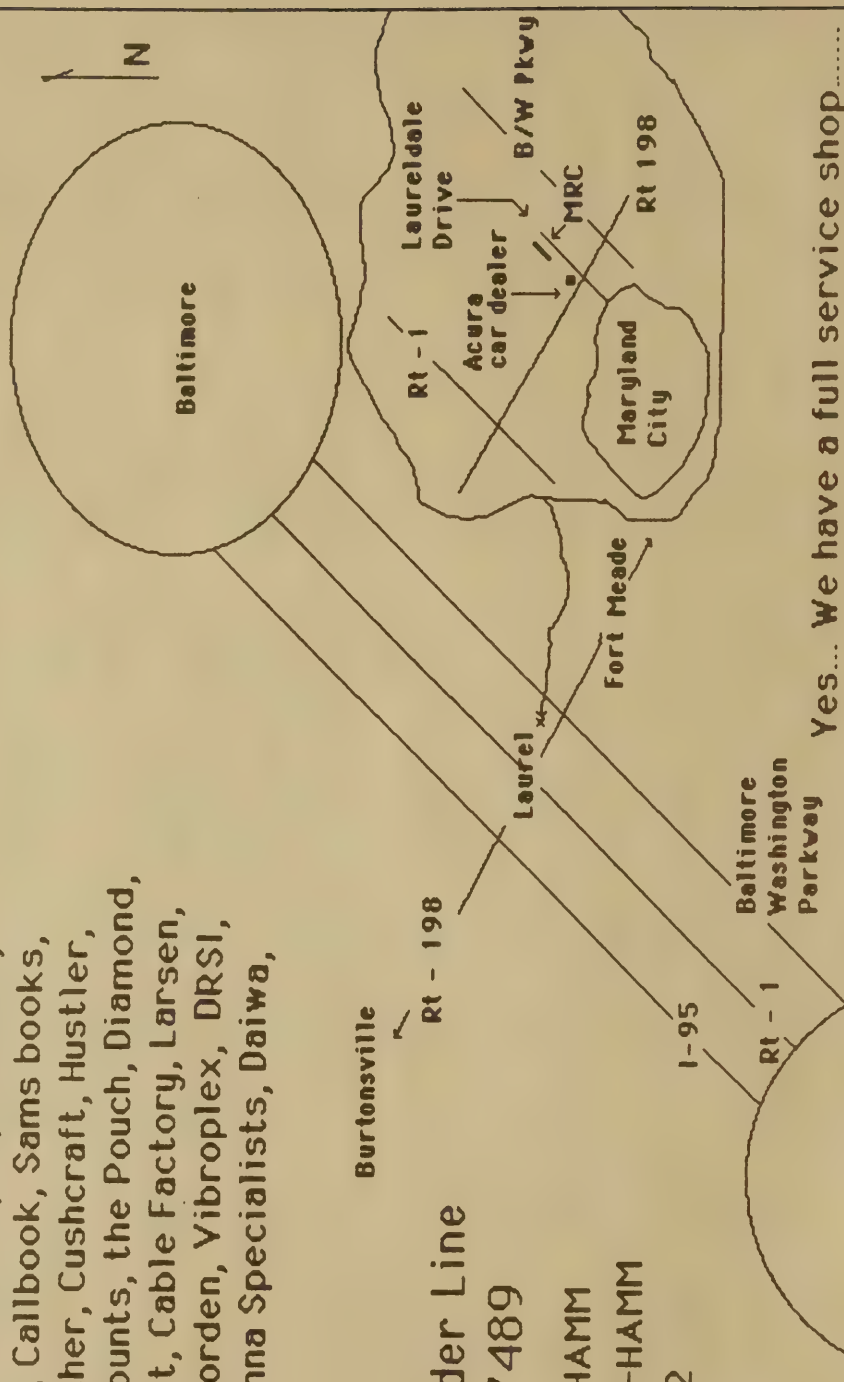
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Skywarn Packet Procedures



The new SKYWARN packet computer has been installed at the National Weather Service (NWS) Washington Forecast Office in Sterling, VA. The BBS is KC4OCG and the direct connect is KC4OCG- 1. The packet frequency is 145.730.

The primary uses of SKYWARN packet will be to receive detailed damage reports due to severe weather from subnet liaison stations and as a means for forwarding severe weather watches and warnings to subnet liaison stations for dissemination to their subnet. This has proven especially useful in flooding and snow situations where the storms are usually slow moving and the damage reports, watches and warnings tend to be long and detailed.

We ask all amateurs to give SKYWARN traffic priority which includes NOT individually checking into BBS' during the storms to retrieve the traffic. Keeping the BBS' available permits the liaison station to have timely access to the information. Please feel free to MONITOR the traffic as the information is up and down loaded.

Packet is NOT an effective substitute for phone (voice) nets for fast moving storms due to time delays and technological inconsistencies. We will continue to experiment with packet to find its best and most reliable integration into the SKYWARN system. The entire amateur community is thanked for their ongoing help in this endeavor.

Autopatch Procedure

Recently an autopatch was made on a local repeater to the wrong emergency agency causing time delay and confusion to all parties to the call. In the interest of training as communicators, please consider the following NOW before an emergency arises:

1. Become familiar with your repeater's autopatch procedures including emergency speed dial. Most repeaters have an access code which changes yearly and require the operators to "cerchunck" the PTT at a specified time during the dialing process. The controllers are generally exacting and not forgiving. You may want to periodically make local non emergency calls to keep in practice.
2. Know your location. Many locations are difficult to describe. For example, "the right lane of the inner loop of the 495 Capital Beltway, Northbound, a 1/2 mile before Route 7."
3. Size up the situation.. Is there a fire? Are there injuries? Do you need police? Is life and property in immediate danger?
4. Figure out the appropriate agency to handle the emergency. The national capital area has a large number of agencies each of which have specific jurisdictions. For example you need to know if the event is in the Fairfax City or in Fairfax County even though Fairfax City sits geographically within Fairfax County. The same is true on the state and federal levels. If you need police help on the interstates, contact the state police, but fire and rescue is generally handled by the county. On federal property in the District of Columbia, and the George Washington Parkway, you may need to contact the Park Police. On non federal property you will need to contact District of Columbia fire and rescue. In case of doubt, ask for a repeater control operator's assistance BEFORE making the call.
5. Upon connecting with the operator, identify yourself as an Amateur Radio operator and ask the operator how he/she hears you. Pause. When asked, slowly and clearly describe the nature of the emergency and the location. They may ask you for a callback number. You should give your home or work number and tell them when you will be at that number if you are presently on the road.

Autopatch is a wonderful feature and has indeed saved lives and property. It has also saved many an amateur. Just ask N4UVQ or KB4ZJ! To be used effectively, the procedures must be practiced BEFORE the need arises. Thanks to WA4D for making the suggestion to publish this training article!

Dan KC4OCG.

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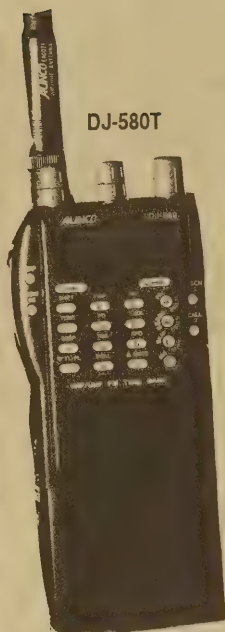


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ALINCO DJ-F1T - Our best 2-Meter Mini H/T. 40 Memories, 3W, 700 mah battery all packed in a 4.3-in case. CTCSS Encode, DSQ, lighted keypad, autodialer,, AM aircraft 8 modes of scan, 5W version available. Also 5W on Direct DC. The F1T is your radio! Call Williams Today!

ALINCO DJ-560T - Our regular sized, full featured twin band 4/70 H/T. Has 40 memories, DSQ, subtone enc/dec included- nothing else to buy! BIG 700 mah battery pak, direct DC, Twin LCD readouts. The DJ-560T is the lowest priced advanced featured twin bander on the U.S. Amateur market. 6.6x2.24x1.2.3-in.

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ALINCO DR-599T - Our finest ergonomic designed twin band mobile rig. 45W/35W on 2M & 450 MHz. 40+ memories, cross band repeat, remote control via DSQ equipped H/T. Receives AM aircraft, and W-I-D-E receiver coverage. Remote head with optional EDC-20 kit. The DR-599T is the "premier" hi-tech dual bander on the market today Call Williams and learn more today!

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ALINCO DR-570T - The fully loaded twin band 2/70 mobile transceiver from Alinco. 45/35 watts, cross band repeat, full cross band duplex W-I-D-E receive coverage. 20 Memory channels, subtone encode & decode included, duplexer included. All you need in one package to work 2M and 450 MHz.. Call Williams now!

ALINCO DJ-162T - Our best economy handheld for 2M. 20 memories, subtone enc., DSQ, odd splits, Batt. Save, APO, Backlit LCD readout. Receives AM acft., priority, call channel. 5.6x2.14x1.25in. BIG 700 mah battery back, 5W on DC. Call Williams for your DJ-162T today. We'll charge your battery and include mod. instructions.



DJ-162T

DR-119T



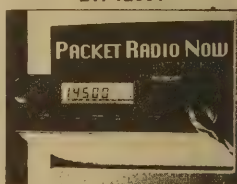
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ALINCO DR-119T - New 2M mobile, with ergonomic design. 50W power, subtone enc/dec included. 14 memories, scan, up/down tun on mike. Great for mobile 2M operation. Spring Loaded mobile bracket.

DR-112T - 45W 2M Mobile transceiver, 14 memories, CTCSS enc/dec, rev. operation. TT

ALINCO DR-1200T - Born for Digital. The DR-1200 is designed with circuitry to optimize the passing of digital audio. 9600 baud modifyable. 14 channels, 25-watts. Wiring instr. for most current TNCs on market. Call!

DR-1200T



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Elmer's Corner

By Scott Schaefer - WR4S

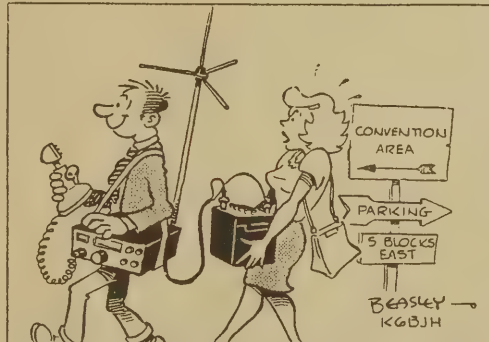
This column will be devoted to guiding new Amateurs through some of the common questions and problems encountered by all of us in our hamming endeavors. Many of the questions that come up regard the virtual plethora of equipment that is available on the market. I plan to give a brief synopsis on what's out there and what are the best buys for a new Amateur. I will also try to help out on problems pertaining to setting up a station. Send us your questions and we will try to provide the answers. Any input that might be helpful to newcomers will also be most welcome.

Write or phone me at 107 Melody Lane S.E., Vienna, VA 22180 (703) 255-7264

For those readers who have been paying attention, excuse me for taking a month off. Elmer returned to the ranks of the employed and actually had to do some real work for a change, hi.

As memory serves me, we must have been talking about soldering on coax connectors (what else) and even my XYL has complained about how long it has taken to finally complete the project. OK, Elmer can take a hint. Anyway, I think I milked it for all it's worth.

Let's assume your brand new Amateur license (called a "ticket" in hamspeak) has just arrived (or you just passed the test), and for the sake of this article you are trying to decide what kind of radio to purchase for your first foray into actual Hamming.



OH, ALL RIGHT---YOU CAN HAVE ONE OF THOSE LITTLE HANDHELDS, LIKE THE REST OF THE GUYS! WORLD RADIO JUNE 1987

There are two basic directions to take when you start the decision making process and you have to look back at what got you interested in Ham radio in the first place. Was it the lure of being able to talk to other parts of the world with the flip of a switch, or maybe the desire to chat with your local buddies during your commute? Let's start talking about trying to decide what type of FM radio might be a logical choice for a first rig.

In the Metro DC area, there is a multitude of FM activity both voice and digital on most of the VHF/UHF bands on up through 1.2 GHz, with numerous repeaters available. From the early days of repeater operation, 2-meters has been the most popular band, and in almost every area of the U.S. a Ham can access a 2-meter repeater. In fact, the Hams in the metro area have put so many repeaters into

service that there is no longer any room for new ones. So, unless you have another band in mind, Elmer will take you on a trip to buy your first 2-meter FM transceiver.

Once again, there are more choices to make before you rush to the phone or the local Ham store and lay down your hard earned money. Let alone all the different brands of radios available, it seems that each manufacturer has to have a zillion styles of radio to make the buying decision that much more difficult!

Before we look at brands, let's look at the basic styles of 2-meter rigs that are on the market. The "hand-held" (once again hamspeak for the more widely recognized term, "walkie-talkie") is probably the most common radio in use today. ELMER HINT: For new hams not wanting to advertise that they are "fresh off the boat," Elmer advises against the use of the term

"walkie-talkie" when talking with other hams. It has been proven through long years of research that using the term "handheld" when talking about your radio will impart it with powers and abilities far beyond those of mortal "walkie-talkies."

I think that in many cases, a "handheld" is a good choice for a first rig due to the extreme flexibility inherent to this style of radio. You have the option of not only using the radio in the portable mode but also a "handheld" is easily adapted to mobile and base operation. If you have used the radio for a while and find a "mobile" rig would be better adapted to your style of operation, don't fret about the choice you made. The vast majority of Hams that enjoy 2-meter FM hamming end up buying at least one "handheld" anyway.

Training Classes

Robert Armstrong, WA4SQL

44 South French Street, Alexandria, VA 22304

Phone (703) 751-2294

Novice and Technician Training Classes, Herndon, VA. Starting September 12, 1992. Sponsored by the Herndon Repeater Group. Classes are free but will be limited to 35 people. For information Contact Mike Weber - WB8RDN at (703) 450-2304 between 7:00 and 9:00 p.m.

Novice Training Classes, Towson, MD. Sponsored by BRATS. Classes are being held on an On-going basis every Tuesday evening at the Towson Armory. Classes are free; Materials (which you can keep) consist of a book and tape and cost \$19.90. For registration or information, contact Joe Chidester - W3SHZ (410) 602-0353

Novice Training Classes, N.W. Washington, DC. Sponsored by MADRAS. For more information contact Larry Zeichek - N3GKZ (301) 984-6112.

VIRGINIA TRAFFIC TRAINING NET - 3685 kHz 6:30 p.m. daily. 5 - 8 wpm.

SLOW CODE PRACTICE NET, 28.250 MHz 7:00 to 8:00 p.m. Wednesdays. Sponsored by Woodbridge Wireless, Inc.

Please keep Auto-Call advised of Training Classes

GENERAL INFORMATION

Alexandria Radio Club
Anne Arundel
Arlington ARC
Baltimore ARC
BRATS
Chaverim, Inc.
Fauquier ARC
Frederick ARC
Herndon Repeater Group
Laurel ARC
MADRAS
Maryland Mobileers
Montgomery Valley ARC
Mount Vernon ARC
NASA/Goddard ARC
Ole Virginia Hams
Pentagon ARC
Rock Creek ARA
St. Mary's County ARA
Shenandoah Valley ARC
Southern Maryland ARC
Southern Patuxent ARC
Stafford Adult Education
Sterling Park
Tri County ARC
Vienna Wireless
Woodbridge Wireless

John Forrest - WZ4A (703) 971-2905
Tony Young - WA3YLO (301) 262-1917
Fred Bardsley - WD4DHW (703) 533-0372
Phone 1-800-HAM FEST - VB
Joe Chidester - W3SHZ (410) 602-0353
Bob Teitel - W3IDT (301) 654-3484
Bill Mills - KC5PF (703) 937-4090 (H), 818-3955 (O)

Michael Weber - WB8RDN (703) 450-2304
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Ken Nichols - KD3VK (301) 977-5405
John Forrest - WZ4A (703) 971-3905
Vikki Gigante - KA3PVS (301) 249-2609
John Fritsch - N4YOB (703) 791-5995
David Boyd - K9MX (703) 756-1817
Walt Ramsey - AK3B (301) 949-3954
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Guy Black - W4PSJ (703) 722-4952
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Mark Johnson - WS3N (703) 430-3804
Al Sines - WA3QGA, Box 710, College Park 20740
Paul Wilkins - AB4CY (703) 560-2779
Lloyd Davis - K8EI (703) 360-0248

FOUNDATION FOR AMATEUR RADIO
Volunteer Examiner Cooperative

Nancy Draheim - NK4U
3513 Old Post Road, Fairfax, VA 22030
(703) 691-0078

SCHEDULE OF EXAMINATIONS

NOTICE: If you presently have a Technician class license which was acquired prior to March 21 1987, keep a copy of this license available when you decide to upgrade to General class. It will be your responsibility to prove you are grandfathered for Element 3B (General Theory).

- Jul 11** Anne Arundel Radio Club (Davidsonville, MD) (Laurel VEC) Walk-in
Contact: Nancy Alley, NT3Z (301) 761-7115 or Bob Israel, WC3I 262-5083

Chesapeake DX Assn. (Chesapeake, VA) (ARRL VEC)
Contact: Bill Verebely, KC4YX (804) 424-4764

Mount Vernon ARC (Alexandria, VA) (Laurel VEC) Walk-in
Contact: Frank Mackey, N4GUS (703) 455-1510

University of Maryland ARC (College Park, MD) (W5YI VEC) Walk-ins
Contact: Scott Rosenfeld - NF3I (301) 206-9921
- Jul 18** Laurel ARC (Laurel, MD) (Laurel VEC) Pre-registration desirable
Contact: John Creel, WB3GXW (301) 572-5124 after 6 p.m.

George Washington U/Department of State (Washington, DC) (ARRL VEC Limited Walk-in
Contact: Derrill Rohlf, W3WOX (301) 423-0179
- Jul 26** BRATS HAMFEST (Timonium, MD) (Laurel VEC)
Contact: John Creel, WB3GXW (301) 572-5124 after 6 p.m.
- Jul 28** Maryland Mobileers ARC (Annapolis, MD) (Laurel VEC) Pre-registration
Contact: John Kohl, KO4A (410) 757-8148
- Aug 1** Hampton Roads Radio Assn. (Hampton, VA) (W5YI VEC)
Contact: Bill Runyon, N4BDH (804) 487-8611

Middletown VE Team (Middletown, VA) (ARRL VEC) Limited walk-ins
Contact: Walt Quitter, NC4B (703) 869-5241
- Aug 8** Anne Arundel Radio Club (Davidsonville, MD) (Laurel VEC) Walk-in
Contact: Nancy Alley, NT3Z (301) 761-7115 or Bob Israel, WC3I 262-5083

Massanutten ARA (Harrisonburg, VA) (ARRL VEC) Walk-in
Contact: Marshal Cooper, N4ZKH (703) 856-8012 (6-9 p.m.)

Mount Vernon ARC (Alexandria, VA) (Laurel VEC) Walk-in
Contact: Frank Mackey, N4GUS (703) 455-1510

Richmond, VA (W5YI VEC) Pre-registration required
Contact: Dow Pierce (804) 232-8128

Volunteer Examiner Cooperative - Continued

- Aug 15 Laurel ARC (Laurel, MD) (Laurel VEC) Pre-registration desirable
Contact: John Creel, WB3GXW (301) 572-5124 after 6 p.m.
- Aug 20 Baltimore ARC (Towson, MD) (ARRL VEC Walk-in
Contact: Robert Kennick (410) 426-8255
- Aug 26 Maryland Mobileers ARC (Glen Burnie, MD) (Laurel VEC) Pre-registration
Contact: Jerry Gavin, NU3D (410) 761-1423
- Sep 12 Anne Arundel Radio Club (Davidsonville, MD) (LARC VEC) Walk-in
Contact: Nancy Alley, NT3Z (301) 761-7115 or Bob Israel, WC3I 262-5083
Mount Vernon ARC (Alexandria, VA) (Laurel VEC) Walk-in
Contact: Frank Mackey, N4GUS (703) 455-1510
- Sep 19 Laurel ARC (Laurel, MD) (Laurel VEC) Pre-registration desirable
Contact: John Creel, WB3GXW (301) 572-5124 after 6 p.m.
- Sep 20 ARRL Roanoke Division Convention (Virginia Beach, VA) (ARRL VEC)
Contact: Ed Brummer, W4RTZ (804) 898-8031
- Sep 29 Maryland Mobileers ARC (Annapolis, MD) (Laurel VEC) Pre-registration
Contact: John Kohl, KO4A (410) 757-8148
- Oct 10 Anne Arundel Radio Club (Davidsonville, MD) (Laurel VEC) Walk-in
Contact: Nancy Alley, NT3Z (301) 761-7115 or Bob Israel, WC3I 262-5083
Williamsburg Area ARC (Williamsburg, VA) (ARRL VEC) Walk-in
Contact: Andrew Swanson, WJ4X (804) 253-2811
Massanutten ARA (Harrisonburg, VA) (ARRL VEC) Walk-in
Contact: Marshal Cooper, N4ZKH (703) 856-8012 (6-9 p.m.)
Mount Vernon ARC (Alexandria, VA) (Laurel VEC) Walk-in
Contact: Frank Mackey, N4GUS (703) 455-1510
Richmond, VA (W5YI VEC) Pre-registration required
Contact: Dow Pierce (804) 232-8128

If you presently have a Technician class license which was acquired prior to March 21 1987, keep a copy of this license available when you decide to upgrade to General class. It will be your responsibility to prove you are grandfathered for Element 3B (General Theory).

NOTE: All examinations require that you submit:
Copy of your current Amateur Radio license (bring original)
Completed FCC Form 610.
Check for appropriate examination fee.
Fees of individual VEC may vary.
ARRL VEC Exam fee is \$5.40
W5YI VEC Exam fee is \$5.40
Laurel VEC Exams, all tests are free.
Mountain VEC Exams, all tests are free

This schedule of examinations appears each month in Auto-Call Magazine
Sponsored by the Foundation for Amateur Radio

DX DX DX

John Kanode, N4MM

Super Honor Roll

There are several proposals before the DXAC to create some kind of a super honor roll for DXCC. With so many DXers now at the top of the honor rolls, some think that a new challenge must be created. Does the DX community want such a program? Creating such a program would add additional workload on the now overworked DXCC Dept. at ARRL HQ. However, such a program could be sponsored by someone other than ARRL. What form should this program take? One idea is that one must be on the top of all three honor rolls and have 200 or more countries on all HF bands, 80 thru 10 meters. Another idea is that you have a grand total of 1500 HF band countries. Other variations also have been mentioned. If you have any ideas or comments on such a program, please contact your DXAC appointee. You can also send your ideas and comments to DXAC in care of ARRL HQ and they will be copied and sent to all DXAC members.

Upcoming DX Events

July 17-19	DXPO Atlanta, GA.
July 24-26	Northwest DX Convention, Seattle, WA.
August 21-23	ARRL National Convention, Los Angeles, CA.
August 28-30	New Orleans DX Convention
October 10-11	DXPO-92, College Park, MD.

DX Contests for July

July 1	Canada Day Contest
July 4-5	Venezuela SSB DX Contest
July 11-12	IARU HF World Championship
July 18	Colombian Independence Day Contest
July 25-26	Venezuela CW DX Contest

Upcoming DXpeditions

HB0 Liechenstein	June 29-July 8
4S7UK Sri Lanka	June 11-July 4
JT4 Mongolia	June 30-July 9

Tidbits

DXCC Patches--A DX Club in Ohio is offering DXCC patches. They are embroidered, multi color with raised globe and cost \$4.00 each plus 75¢ for shipping. They are available from DXCC Patches, PO Box 668, North Olmsted, Ohio 44070.

A New Caribbean Licensing Guide is now available. It contains info on how to obtain licenses, arrange for hotels, villas and cottages and who to contact. This book can be ordered from Craig M. Maxey, WB7RFA, 9820 SW Dapplegrey Loop, Beaverton, Oregon 97005. It costs \$23.00.

The former East German Y2-Y9 callsigns will be phased out in 1992. Holders of these calls will be given DL calls. The YA5MM and the S2/HA5BUS operations have been approved for DXCC Credit. Cards from these operations are now acceptable for DXCC credit.

The ARRL DXCC Countries list, May 1992 edition is out. They can be ordered from ARRL for \$2.00 each, postpaid.

42nd. ANNUAL SHENANDOAH VALLEY AMATEUR RADIO CLUB

**WINCHESTER HAMFEST COMPUTER SHOW
SUNDAY, AUGUST 2nd., CLARKE COUNTY RURITAN
FAIRGROUNDS, BERRYVILLE, VIRGINIA**

BREAKFAST, SNACK BAR, RURITAN'S FAMOUS CHICKEN & BEEF BARBEQUE!



**APPROVED
HAMFEST**



**V-E EXAMS
SATURDAY AUGUST 1
AT LORD FAIRFAX
COMMUNITY COLLEGE
BY MIDDLETOWN VE TEAM**

Talk in 146.22-82 & 52 Simplex



**Gate Opens at 6:00 A.M. - Admission \$5.00 - Tail-Gaters / Tables \$7.00
For Info. Call Walt WA4HVU 667-1474 or Write
SVARC, P.O. Box 139, Winchester VA 22601**

Christmas in April?

The Foundation was approached in March by representatives of a Prince Georges County group seeking communications help in a county-wide one day program. Since FAR represents several counties in two states, one PG resident agreed to refer the request to a county club or group. This was a golden opportunity for a RACES organizer. George Dewees - KA3KIF agreed to coordinate the program. Credit for the positive results and this story goes to him.

Prince Georges is one of many counties, nation-wide, to specify April 25 as "Christmas in April" this year. It is a one day, serious effort to assist local handicapped and disadvantaged citizens where they need it most . . . in their homes.

Well over 2400 people, skilled and unskilled, tackled over 100 homes throughout the county. Plumbing, masonry, painting, carpentry and electrical upgrading made "homes" more livable. An average of over 20 workers per house can have a miraculous effect on the facilities and quality of life for the residents.

Some of the stories were moving examples of what caring people can do - even in one day! Donations of material and money came together with talent and labor to produce planned projects. Some houses were repaired and completely painted. Others received inside plumbing, or heat, and even bathing facilities that had not existed previously.

And the ham? Some of these homes were without phones; and warehouses and delivery vehicles needed communications capabilities. Each volunteer had to sign a waiver, and the forms had to be collected and delivered to one site. Hams probably averaged 50 to 75 miles just servicing the assigned homes in their sector. About 25 Amateurs participated and all but a couple were mobile. Many were from adjoining counties, but wanted to help. All that reported back said they want to do it again. Anne Arundel County has already approached hams for help next year as the "Christmas in April" programs expand.

Here are the calls (by suffix) of the hams that participated:

KA3ARB	N3BFO	K1BGT	W3DQI	N3EQJ	WA3FSC	W3FVD
WB3GXW	N3IJK	N3IRO	N3JOA	N3JWT	N3JYU	N3KGQ
KA3KIF	WB3KXJ	WB3KXL	N3LFL	AL7LQ	N3LYF	KA3MWN
WI3N	KA3OFR	K3QDC	NL7SE	KA3ZCI		

Tony - WA3YLO

Silent Keys

Robert E. Bailey - WB1FRQ of Silver Spring, Maryland and Fort Myers Beach, Florida became a Silent Key on April 15 as a result of heart complications.

Claire Bardon - W6TDN (ex W4TVT) died of lymphatic cancer on May 28 in Uba City, California. Claire was well known in the Washington area in the 1950 and 60s as W4TVT when she was very active in the old Washington Mobile Radio Club, Washington Area YL Club and in the YLRL. She had become inactive on the air in recent years.

Hungry Hams

The listing of Amateur Radio Eatin' Meetin's was initiated by Perry Crabill - W3HQX and has proven to be one of our most popular features. Do you know of other groups that would like to be listed? We will try to keep it up-to-date.

MARYLAND

Cumberland

1st Saturday, 9:00 a.m.

Barton's Reataurant

Route 220 South

Ellicott City

2nd Saturday, 9:00 a.m.

Columbia Amateur Radio Assn

Double T Diner, Rt 40 & Rolling Road

Info: Dionne Frank, KA3ZDL 531-2933

Glen Burnie

Third Wednesday

Maryland Mobileers ARC

Homestyle Family Buffet

Laurel

1st Saturday, 11:30 a.m.

Laurel Center Mall

Fountain Cafe food service area near

Montgomery Ward (US 1 & Cherry Ln.

Every Friday Noon

Ashton Radio Communications Society

Shoney's Restaurant, Route 1

Talk-in 147.00/146.40 or 443.150/448.150

Odenton

Second Saturday after monthly meeting

Maryland Mobileers ARC

Breakfast at Rick's Cafe, Odenton

Waldorf

Every Saturday, 8:00 a.m.

Southern Maryland ARC Breakfast

Info: Hank - W3FVD

Wheaton

Every Wednesday, 11:30 a.m.

Anchor Inn

2509 University Blvd. W.

West Virginia - Berkeley Springs

1st Tuesday 11:45 a.m.

Appalachian Restaurant

Info: Wendell Pugh - WA3BKG (304) 258-5199

or Ward Crabill - W3JGK (304) 258-5767

VIRGINIA

Annandale

"Hungry Hogs"

Every Tuesday, 11:15 a.m.

Shakey's and Horn & Horn (Alternate weeks)

Parking lot 7201 & 7203 Little River Turnpike

Information: "Frosty" Akers - W3PT

Fairfax

Every Tuesday, 11:15 a.m.

Dino's Den

9534 Arlington Blvd

(Route 50 at Route 29)

1st Saturday after 1st Wednesday 7:30 a.m.

arly Morning Chow Down at La Peeps

Off Route 123 in Fairfax

Open to all Hams, family and friends

1st Wednesday of each month after work

Silver Platter Restaurant on Route 236

Info: Dale - N4WWL or Gil - K7OR

Stafford

Every Saturday, 7:30 a.m.

McDonalds East of I-95 exit to Courthouse

Rt. 1, South of Stafford Courthouse

Staunton

Every Friday 12:00 Noon

Kathy's Restaurant

Greenville Ave. & Statler Blvd (Rts 11 & 261)

Winchester

2nd & 4th Wednesdays, 12:00 Noon

Best Western/Lee - Jackson Restaurant

711 Millwood Ave. (Rt 50 W of I-81 Exit 80)

Info: Perry Crabill - W3HQX via 146.82 Rptr

Phone (703) 662-7526

Charlottesville

Every Wednesday, 11:00 a.m.

At the Bonanza restaurant

Rio Road & Route 29 North

Harrisonburg

Every Tuesday, 11:30 a.m. (Note new day)

Holiday Inn/Victor's Restaurant

Route 11 & Pleasant Valley Road

(I-81 Exit 62)

Maryland-DC QSO Party

August 8 & 9

The Antietam Radio Association - W3CWC is proud to present

The 1992 edition of the Maryland-DC QSO Party.

1600Z August 8, 0300Z August 9, & 1600 - 2359Z August 9

PHONE AND CW: Stations may be worked once per band using each mode.

CW QSOs in the CW band only! Non-Maryland stations must work Maryland-DC stations. Maryland-DC stations may work anybody. Portables and Mobiles that change Maryland counties during the contest count as separate station in each new county of operation.

Repeater QSOs do not count. Other HF & VHF contacts do.

EXCHANGE: Exchange Signal Report, QTH and Major category of entry.

QTH is county for Maryland stations, U.S. State or, if DX, County of operation.

Major Categories of entry are - CLUB, QRP, MOBILE, NOVICE/TECHNICIAN, and STANDARD. During the on-the-air exchange, stations should only send the Major Category that reflects their highest point value.

SUGGESTED FREQUENCIES: SSB: 1.86, 3.92, 7.23, 14.26, 21.37, 28.37, 50.15, 146.55 MHz

CW: 3.643, 7.06, 14.04, 21.115, 28.06 MHz

NOVICE: 3.701, 7.126, 28.115 MHz

CW is suggested on the odd half hour. Example: 1730, 1930, 2130 UTC

SCORING: For Non-Maryland-DC Stations - Each MD County, Baltimore City and DC are multipliers (25 possible).

For Maryland-DC Stations - Multipliers are MD counties, Baltimore City, D.C., Each of the other 49 states + 1 Multiplier for working a DX station (75 possible).

Multipliers may be claimed once only - they do not repeat on different bands.

QSO POINTS: 10 Points for Club Station QSOs (Clubs in or out of MD for MD-DC Stations)
5 Points for Mobile QSOs (Mobiles anywhere for MD-DC Stations).
2 Points for direct contact by CW (including RTTY/Digital modes)
1 Point for any other valid contact.

SPECIAL NOTE: Highest Point Value per QSO applies (a CW/Mobile QSO is 5 Points)

FINAL SCORE: Add up all QSO Points and multiply by the sum of the multipliers.

SPECIAL BONUS FOR MOBILES: Mobiles may add 100 bonus points for their final score for each county outside their home from which 50 QSOs were made.

AWARDS: A MARYLAND MEMENTO WILL BE AWARDED TO THE HIGH U.S. LOG AND TO THE HIGHEST SCORING MARYLAND STATION.

CERTIFICATES will be awarded to the High Score verified from each U.S. State, Canada or DX.

CERTIFICATES will be awarded the top 10 MD-DC logs:

High scoring MD Club station; High scoring DX Club station;

High scoring Maryland Mobile; High Scoring YL (in & out of MD);

High Novice/Technician (in & out of MD)

SPECIAL: A certificate of participation will be awarded to each station not winning an award but having at least 50 QSO points in entry.

Certificates will be awarded to the top 3 SWL Logs and top 3 QRP entries.

A Plaque will be awarded to the high scoring MD-DC Club Station.

(Plaque donated by the Amateur Radio Club of Hagerstown)

Mail Logs by Sept 10 to: ANTIETAM RADIO ASSOCIATION, P.O. Box 52, Hagerstown, MD 21741-0052
Direct questions to W3AAT or WA3EOP

Recognitions

Congratulations to four of our local Amateur Radio Newsletters on receiving high ratings in the recent Amateur Radio News Service national newsletter contest.

Top ratings of "Superior" were awarded to:

Pentagon Amateur Radio Newsletter QLF - editor David Boyd - K9MX

Southern Patuxent ARC's SPARC Newsletter - editor Dwayne Kincaid - WD8OYG

Ratings of "Excellent" were awarded to:

Anne Arundel Radio Club's Ham Arundel News - editor Holly Bevan - N3BMB

Ole Virginia Hams ARC Ole Virginia Times - editor Bonnie Frick - N4QPB

Over 100 entries were submitted from throughout the country.

(Auto-Call was not eligible for competition)

Atlantic Division Annual Awards

Bob Josuweit - WA3PZO of Philadelphia, PA. has been named the Atlantic Division "**Amateur of the Year.**" This award is presented annually to an outstanding all-around Amateur from the Atlantic Division with a strong record of service to the Amateur community.

Bob has represented the Atlantic Division as a member of the League's Public Service Advisory Committee since 1979 and served 9 years as Section Emergency Coordinator for Eastern Pennsylvania. He has played a key roll in Amateur communications in several emergency/disaster situations and has helped plan for possible Amateur communications under the National Disaster Medical System during Operation Desert Storm.

The "**Grand Ole Ham**" Award was presented to **Clarence Snyder - W3PYF** of Easton, PA. First licensed in 1947, Clarence has been active in emergency communications in Northampton County, PA through RACES and ARES. He served as ARRL Section Communications Manager in 1955-56. Many hams in his home area credit Clarence as their Elmer. The "Grand Ole Ham" award is given in recognition of lifetime service to Amateur Radio. It is conferred upon Atlantic Division hams who have been licensed at least 30 years or are at least 50 years of age.

The "**Technical Achievement**" Award was given to two Amateurs this year. Owing to the outstanding accomplishment of **David Hallidy - KD5RO** and **David Mascaro - WA3JUF** in their activity on the microwave bands, the awards selection committee voted a tie and both men were honored equally. These two men exemplify the strong interest in serious VHF/UHF operation and experimentation in the Atlantic Division.

The awards were conferred at the Atlantic Division Convention held in conjunction with Rochester, NY, Hamfest on May 16. Congratulations to all.

T-MARC Booklet

The best laid plans of mice and men still didn't keep us from getting a foul-up on the printing of the T-MARC Directory in the June issue of Auto-Call.

All pages of the pull-out were supposed to be printed on the heavier, white paper, but somehow the carefully detailed instructions didn't get to the proper shift of the printing crew. We apologize. The printer apologizes.

This month you will find a reprint of the pages that came out wrong. Please pull out the center fold of this issue and use it to replace the 4 pages of flimsy paper from last month's copy. You will then have a complete 8-page booklet all on white paper.

We still think our printer is doing a good job for us and offers the best cooperation and best prices we have been able to find. These things can happen once in a while in the best of families. Please bear with us this time.

K4LMB

T-MARC

The Middle Atlantic FM and Repeater Council

Maps of Coordination Areas And Listing by Output Frequency

As of December 1991

T-MARC voluntarily coordinates frequencies used by repeaters, "remote base" stations, and related activities in Delaware, Maryland, the District of Columbia, the northern one-third of Virginia, and the eastern panhandle of West Virginia.

These maps and listings show ONLY "open" or limited usage repeaters. "Closed" repeaters, "remote base" stations, control and link frequencies, and other "closed" systems which are also coordinated by T-MARC, and uncoordinated repeaters, are not shown here. Therefore, these maps and listings should not be used for coordination purposes.

Listing of Output Frequencies is provided only for the 2-meter repeaters at this time. Listings for other bands will be provided in future issues of Auto-Call as space is available. Pull out the booklet from the center-fold and save it for reference.

Inquiries relating to the coordinating of frequencies within this area, as well as additions and corrections, should be addressed to:

T-MARC Coordinating Committee
1419 Larch Road
Severn, MD 21144.

For a copy of the current T-MARC repeater directory, please send a self-addressed stamped envelope (SASE) to the above address.

The following repeater frequency pairs have been set aside for testing and development of new repeaters and for the operation of temporary, portable, or emergency repeaters on a non-interference basis to coordinated repeaters: 144.57-in/145.17-out, 223.00-in/224.60-out, 442.875-in/447.875 out, 447.900-in/442.900-out, 908.00-in/920.00-out, and 1271.00-in/1283.00-out. No permanent repeaters will be coordinated on these frequencies, and coded access may be required to minimize co-channel interference.

T-MARC cooperates with DMARC, the Digital Mid-Atlantic Radio Council, on packet radio and related matters. Packet radio frequency usage and similar matters should be addressed to:

George H. Stickler, KA3DXX
Secretary, Digital Mid-Atlantic Radio Council
8249 Quarterfield Road
Severn, Maryland 21144

KA3DXX@KA3DXX.MD.USA.NOAM
ka3dxx@ka3dxx.ampr.org [44.60.224.1]
DATA Line: (410) 551-6517 (300/1200/2400 bps)
VOICE Line: (410) 551-7657

T-MARC

Coordination Area Maps

144-148 MHz Repeaters -- By Output Frequency
T-MARC Coordination Area -- Data as of December 1991

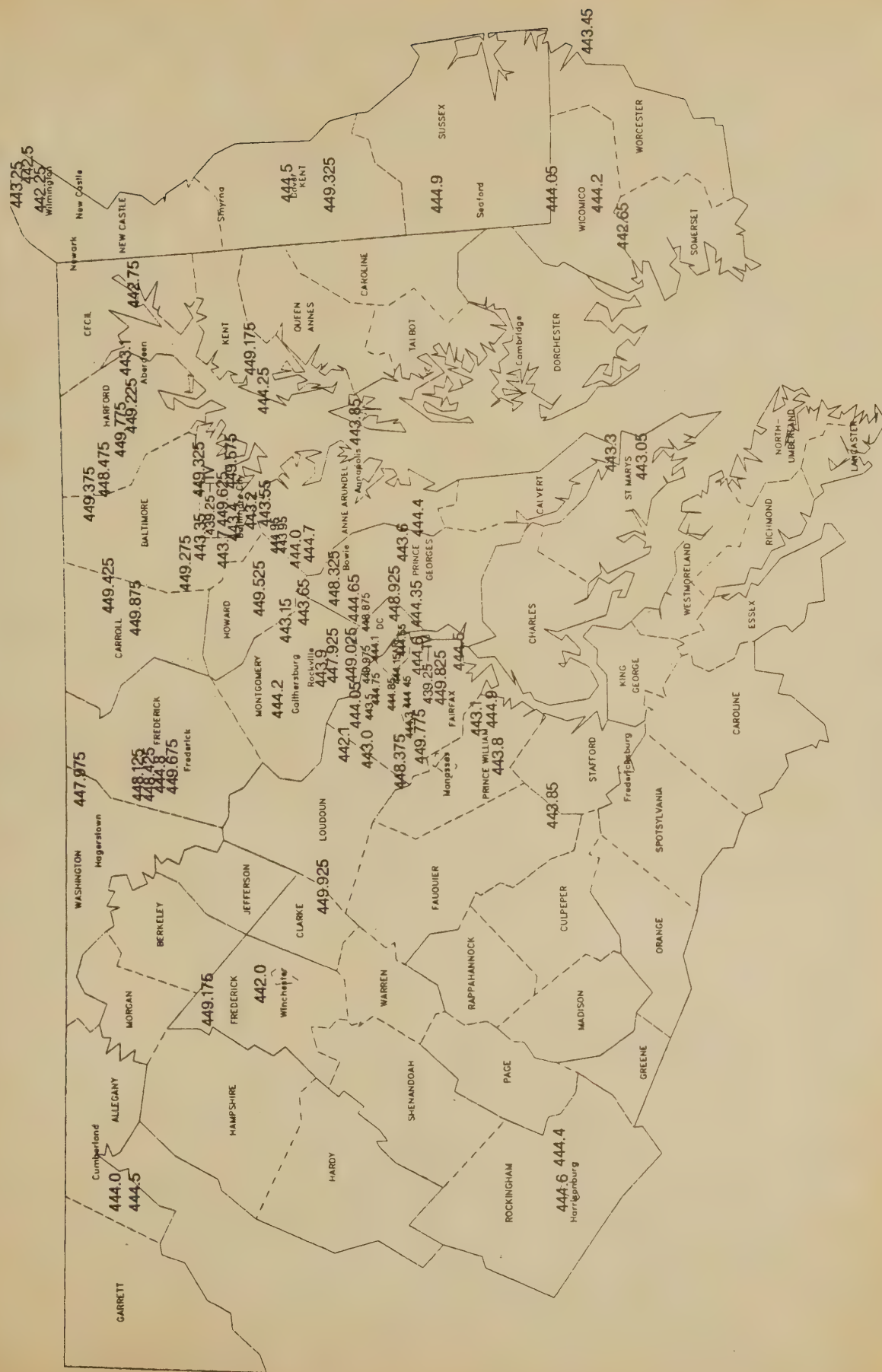
NOTE: Not to be used for coordination.

Features: a=autopatch (ca)=closed autopatch e=emerg pwr l=link and/or crossband o=open access r=RACES affil.
(Wx)=weather net x=wide area coverage y=RTTY/ASCII z=direct access to police

Output	Input	State City	Coverage	Call Features
144.93	923.25	MD Annapolis	ANNAPOLIS	WB4APR oATV Audio 1
144.93	1289.25	MD Annapolis	ANNAPOLIS	WB4APR oATV Audio 1
144.97	430.75	VA Alexandria	WASHINGTON AREA	WA9GVK oATV Audio 1
144.99	430.75	MD BALTIMORE	BALTIMORE	W3WCQ oATV Audio 1
145.11	144.51	DC Washington	WASHINGTON AREA	W3EIL o(ca)eyz
145.13	144.53	MD NW Baltimore	BALTIMORE	WA3DZZ ol(ca)z
145.13	144.53	VA Harrisonburg	NORTH CENTRAL	N4YET o
145.15	144.55	VA Arlington	WASHINGTON AREA	WB4MJF oCTCSS
145.15	144.55	WV Martinsburg	EAST	WA8FSE oe
145.17	144.57	DE ALL	ALL	Rptr. Test Pair
145.17	144.57	MD ALL	ALL	Rptr. Test Pair
145.17	144.57	MD Waldorf	SOUTH	KA3TQD c(ca)exCTCSS-156.7
145.17	144.57	VA ALL	T-MARC AREA	Rptr. Test Pair
145.17	144.57	VA Lorton	WASHINGTON AREA	KE4ZN oCTCSS Test Pr.
145.17	144.57	WV ALL	T-MARC AREA	Rptr. Test Pair
145.19	144.59	DC Washington	WASHINGTON AREA	W3DOS o
145.21	144.61	DE Seaford	SOUTH	KV3D oa
145.23	144.63	MD New Carrolltn	WASHINGTON AREA	N3EZD oCTCSS-110.9
145.25	144.65	MD Elkton	NORTHEAST	K3NCL oCTCSS156.7
145.25	144.65	MD Rockville	WASHINGTON AREA	W3RCN oe
145.27	144.67	VA Stafford	FREDERICKSBURG	N4SMP o(ca)
145.29	144.69	MD Bethesda	WASHINGTON AREA	K3YGG oel
145.31	144.71	VA Herndon	WASHINGTON AREA	N4FXP o(ca)e
145.33	144.73	MD Shawsville	NORTHEAST	K3HT o
145.35	144.75	MD Stevensville	DELMARVA PENINSULA	K3UBC oel
145.35	144.75	VA Falls Church	WASHINGTON AREA	W4AQD c
145.37	144.77	MD Adelphi	WASHINGTON AREA	WB3FRW oae-*537
145.39	144.79	MD Hughesville	SOUTH	N7BW o
145.41	144.81	MD Westminster	NORTH CENTRAL	K3PZN oelr
145.45	144.85	MD Cumberland	CUMBERLAND	K3MWI o(ca)l
145.45	144.85	MD Rockville	WASHINGTON AREA	KC3NG o(ca)
145.47	144.87	VA Arlington	WASHINGTON AREA	WB4MJF o
145.49	144.89	MD College Park	WASHINGTON AREA	W3EAX o(ca)z-*911
146.61	146.01	MD Cheverly	WASHINGTON AREA	K5VCG o(ca)
146.625	146.025	MD Princess Anne	DELMARVA PENINSULA	KA3MRX oaeryz
146.625	146.025	VA New Market	NORTH CENTRAL	KE4FM oe
146.64	146.04	MD Lexington Pk	SOUTH	K3HKI oaez
146.655	146.055	VA Alexandria	WASHINGTON AREA	WD4PDP oa
146.67	146.07	MD Baltimore	BALTIMORE	W3FT o(ca)el
146.685	146.085	VA Vienna	WASHINGTON AREA	K4HTA oe
146.70	146.10	DE Newark	WILMINGTON	WA3QPX o
146.715	146.115	VA Sterling	WASHINGTON AREA	WA4TXE o(ca)e
146.73	146.13	DE Wilmington	WILMINGTON	WA3QPX oe
146.73	146.13	MD Catoctin Mtn	FREDERICK	W3SOG o
146.745	146.145	WV Berkeley Spgs	EAST	KK3L oerx
146.76	146.16	MD Jessup	BALTIMORE	WA3DZD olx
146.76	223.16	MD Jessup	BALTIMORE	WA3DZD ol
146.76	449.00	MD Jessup	BALTIMORE	WA3DZD ol
146.76	146.16	MD Jessup	WASHINGTON AREA	WA3DZD olx
146.76	223.16	MD Jessup	WASHINGTON AREA	WA3DZD ol

442–450 MHz Repeaters

T-MARC Coordination Area



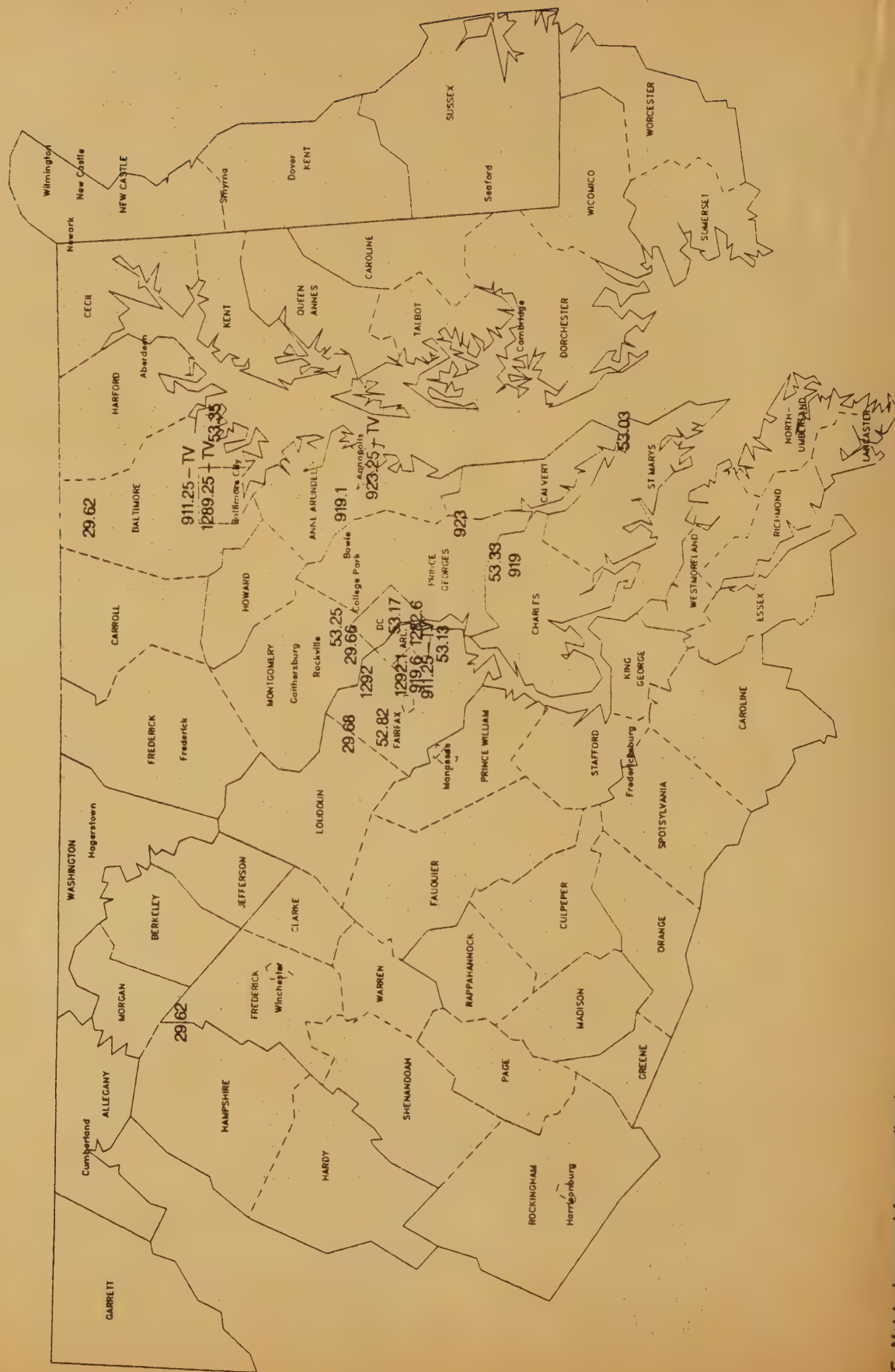
NOTE: Not to be used for coordination.

NOTE: Not to be used for coordination.
Uncoordinated repeaters and some private repeaters not shown.

442.9 and 447.875 are the Repeater Builder's Channels

29, 52, 902, and 1240 MHz Repeaters

© 1992 WA2WDT



NOTE: Not to be used for coordination.

Uncoordinated repeaters and some private repeaters not shown.

920 and 1283 are the Repeater Builder's Channels

Sterling Park Amateur Radio Club

Meetings: Third Monday of the month except December, July and August
At Sterling Community Center Annex, Church Road (Rt. 625)
near Route 28, Sterling, Virginia

Mailing: Box 599, Sterling, VA 22170

Information: Dick Maylott, W4LMJ (703) 430-3842 or
Joe D'Angelo, WB2SAI (703) 444-1252

The 1992 Virginia QSO Party is in the logbook, the scores have been tallied and the plaques prepared for presentation at the Manassas Hamfest.

R.S. Morris - W4MYA of Goochland, VA, in a truly Herculean effort, scored 156,114 points to earn the title of **High Scoring Virginia Station**. **Frank Mackey - N4GUS** posted the second high score of 12,780.

Top Virginia Mobile honors go to **Rick Lindquist - KX4V/M** of Radford for the second year in a row. Rick scored 5200 QSO and multiplier points and 500 mobile bonus points for operating mobile from 5 different counties. Rick wonders where all of the other mobiles were.

Top Virginia CW Operator, also for the second year in a row, is **Steve Bookout - NJ4F** of Spotsylvania ("Spotsy") VA. Steve also consolidated the logs from the **Mt. Vernon Amateur Radio Club**, the 1992 **High Virginia Club**, and submitted them as a single package.

Joe D'Angelo - WB2SAI was the high scoring **VA Novice/Technician** with 96 points. Joe wonders where the other Novices and Technicians were.

Noah Bonnet - KA3VYN of Silver Spring, MD was the **Top Scoring Out-of-State Operator**.

Certificates will be awarded to the top state and Virginia County stations. Listings including these winners will be available later.

To the winners, our congratulations. To those who submitted logs but didn't win, our heartfelt thanks and wishes for a winning effort next year. Our special thanks to those of you who sent along a note or suggestions on how to make the contest better. To those stations we heard on the bands but who didn't submit a log, our gratitude for joining the party.

We hope to hear more from all of you next year. Mark your calendars now for March 20, 1993 and the beginning of the 1993 **Virginia QSO Party**.

Forrest Snyder - N4UTY

Foundation Meetings

The Foundation for Amateur Radio, Inc. meets at 8:00 p.m. on the second Wednesday of each month.

Visitors are always welcome

Phone (301) 725-5822 for information

The next meeting will be on July 8 in Takoma Park, Maryland
Columbia Union College Science Building Auditorium, Flower Avenue
Talk-in on 147.18

Take Colesville Road off the Beltway (Exit 23 S)
East on Franklin Avenue to Flower Ave., South on Flower Ave.

AMRAD

Amateur Radio Research and Development Corp

Meetings: Second Thursday of each month, Fairfax County Library, McLean, Virginia
Repeater: WD4IWG 147.81 MHz in, 147.21 MHz out. Director, Jeff Brennan, WB4WLW
WD4IWG is an open repeater for FM voice and digital communications, especially for experimental modes. Autopatch available to members.
Data Address: Our internet address is lkestel@csugrad.cs.vt.edu.
AMRAD CBBS: (703) 734-1387 Operated by Lawrence Kesteloot - N4NTL
E-Mail address is lkestel@csugrad.cs.vt.edu
Information: Andre Kesteloot - N4ICK (703) 356-5519 or Terry Fox - WB4JFI (703) 698-7612

Public Service Events:

AMRAD members and the AMRAD portable repeater supported several public service events recently:

May 30-31 100-Mile Run, Woodstock and Fort Valley, VA.

June 13-14 OD 200-Mile Endurance Ride, Rt Valley, VA.

Shenandoah Valley ARES has assumed management of these event. AMRAD has supported them for a number of years, but other commitments necessitate that some group closer to the scene manage the events.

Current Activities:

Work continues on the 10GHz beacon/repeater, and it should be on the air soon. Several field

tests of the 10-GHz equipment are planned, to be followed by some mountain-topping. Preparations are underway for the ARRL 10-GHz Contest in August and September.

Up-Coming Activities:

We plan another session to modify / tune-up 10-GHz sources. A 30-MHz IF modification working session is also planned.

Anyone interested in any of our projects or technical topics, come to one of the monthly meetings, or join us for lunch. We meet every Saturday @ 1230 hrs., at Taco Rio Grande on Rte 123 in Vienna. AMRAD repeater for talk-in.

Dave - N4JGQ

Auto-Call Survey

Our thanks to those who replied to the survey run in the May issue, inquiring about the most popular features in Auto-Call and what you could do without when we run out of space. The replies were thoughtful and interesting and we will be guided accordingly.

The Volunteer Examiner Schedule, Training column and Elmer's Corner got high marks. Public Service Reports were popular and some requests were received for expanding the geographical area of coverage. The club columns were cited for their good, general interest and several people said they read every club column. FCC and ARRL columns are well received but can stand a bit of condensing. Emphasis should be on items of interest to the local area and not too much on national and international news we can read about in QST and other national magazines. Suggestions were made for the addition of a column written by the Official Observer Coordinators and the addition of a Packet column and listings of area BBS. Guest Editorials also came in for favorable comment.

We get the impression most of you are pretty well satisfied with Auto-Call the way it is. We thank you for the kind words. We still have a problem, though, on packing in more and more columns in the same amount of space. Do we go to smaller type? or give up the full width headings? Do we pack the copy in tighter and maybe go to three columns on the page? Maybe we should try out some of these ideas and see what you think. Again, thanks for your replies.

Ethel- K4LMB

Metrovision Amateur TV Club

FAST SCAN - COLOR - ATV

Meetings: Quarterly: Call for next meeting time and place.
Repeater: WA9GVK/4 (Video and Audio) 425-431 MHz in; 438-444 MHz out
Also accessible on 144.970, simplex, audio.
On-the-air: Sundays at 8:00 p.m.
Mailing: Metrovision, Inc., P.O. Box 8231, Falls Church, VA 22041
Information: Sam - N3GHY (301) 630-3373
Dick - WB3EPX (301) 439-8135

We sent out our appreciation to Jim - KA4CKI who still continues to spend his time and effort upgrading the Metrovision repeater. Well done, Jim.

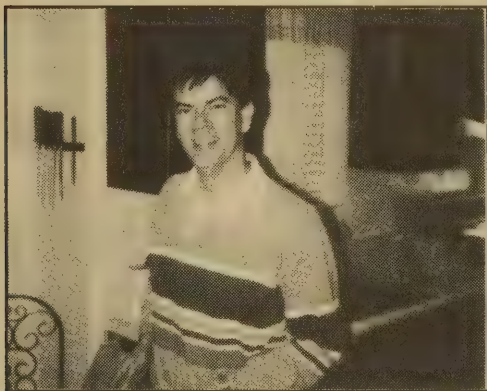
We want to remind our members and friends of the Wednesday night informal ATV net which meets at 8:00 p.m. We need more people to participate, so please consider it.

Metrovision regrets that it is not able to participate in special events such as Field Days, etc. Very few of our members have the portable equipment necessary to televise these special events. We hope this situation will change sometime in the future. In the meantime, please be patient.

We will be needing a volunteer to provide a place for our annual Metrovision picnic sometime in July. If you can help, please notify Sam - N3GHY at the phone number shown above.

Dick - WB3EPX

Below are some photos from our March meeting.



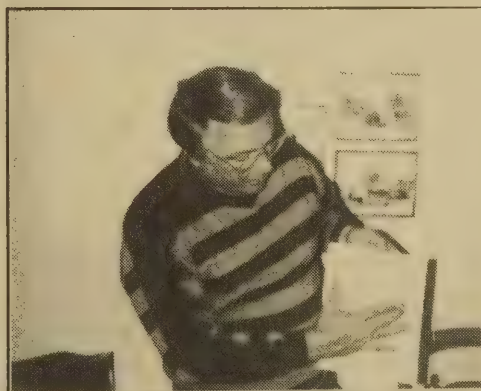
Bruce Brown - WA9GVK



Ruth Philips - K3AGR



Bernie Keiser - WD4O



Jim Tury - KA4CKI

Herndon Repeater Group

Meetings: On-the-air meetings every Monday at 9:00 p.m.
Repeater: N4FXP/R 144.71/145.31 MHz
Packet BBS: 145.09 MHz
Mailing: Herndon Repeater Group, P.O. Box 5073, Herndon, VA 22070
Training: Michael Weber - WB8RDN (703) 450-2304
Information: Michael Rosati - N4FXP (703) 481-8380

Field Day: Field Day is just around the corner. HRG will operate from the "Group Campground" area of Lake Fairfax Park in Reston. Everyone, including the general public, is invited to participate. If you are planning to camp over night or are able to provide equipment - batteries, antennas or anything - let Bill - N4WJN know. For more information, listen for announcements on the N4FXP/R HRG 145.31 repeater ID.

Spring Exams: HRG sponsored ARRL/VE exams Novice through Extra on May 9. There were 89 exam elements administered to 36 people and 22 upgraded. This was the largest turn out yet at an HRG exam session. This was partially due to the recently completed General upgrade class. The overall pass rate was 63%. For those interested in statistics, here is the pass rate per element: 1A - 75%, 1B - 36%, 1C - 20%, 2 - 90%, 3A - 83%, 4A - 14%, 4B - 100%. A special note of thanks to exam applicants Rick Lundy and Walter LeCompte for providing transportation to the exam session for a blind Amateur. Thanks to the Volunteer Examiners who participated: AB4UM, AC4JV, WN3T, WA1ZXX, KO4EI, W3FTG, AC4AP, AC4OO, WB8RDN and to Arnold - KD4GSQ who assisted the examiners.

Equipment Loaner Program: For additional information on this worthy program, contact the Loaner Program Manager, Chris - WA1ZXX at (703) 430-2877. Equipment donations are still needed.

Novice/Technician Course: HRG will once again sponsor a Novice/Technician code and theory course this fall on Saturday mornings from September 12 through November 14 (See the Training column in this Auto-Call for more information). An official registration kick off will begin at Field Day. Soon after, circulars will be hitting area Radio Shack stores, school and other places where potential hams go. If you know of someone wanting to enroll in this course, please have them reserve a seat now.

The class will be held at a local Herndon Church and participation is limited to the first 35 people who enroll.

New Upgrades: HRG congratulates the following club members who have recently upgraded to General: Mike - N4FXP, Bill - N4WJN, Arnold - KD4GSQ, Jim - KD4GSX, Terence - KD4GSW, Mike - N4QHY, Chris - KD4GSV, and Mike - KD4ITK. Dick - KD4JVW upgraded to Advanced. There were other HRG members who passed either a code or a theory element but did not upgrade at this time. Congratulations to all.

Fall Exams: With the conclusion of the Novice/Technician course, HRG will offer ARRL/VE exams (Novice - Extra) on Saturday, November 21. HRG, which is now "ARRL/VEC Field Stocked" testing team, will continue to offer exam sessions each Spring and Fall in Herndon, and conduct other exam sessions during the year as needed.

Mountain Hike: On June 20, many HRG members were scheduled to hike up the Old Rag Mountain in Shenandoah National Park for a membership outing. Our thanks to by Mike - KD4ITK for suggesting the idea and spearheading the effort.

Lunch: On May 25, a number of members met for lunch at an area restaurant in Leesburg and later went on a walking tour of historic Leesburg. A fine time was had by all. Thanks to the HRG Special Events Chairman Tom - WB8ZRP for the idea.

Club Net: The HRG Net meets every Monday evening at 9:00 p.m. on the 145.31 MHz N4FXP/R machine in Herndon. Participation has been averaging around 25 stations per net.

Packet: Sysop Bill - N4WJN manages the HRG packet BBS in Manassas on 145.09 MHz. Check into the "BBSHRG" and say hello.

Mike - WB8RDN

Arlington Amateur Radio Club

Meetings: Third Tuesday of each month at 7:30 p.m.
Arlington Red Cross Chapter House, 4333 Arlington Blvd. (Rte. 50)
Net: Tuesdays (except meeting nights) at 7:30 p.m. on 144.87/145.47 MHz FM
Info: Robert D. Milligan - KI4MB, (703) 533-0650

May Meeting:

John Kanode - N4MM, Director of the Roanoke Division of the ARRL, was the featured speaker at the club's May 19 meeting. He shared some current info on League and Division hopes and happenings. He said the ARRL is thinking of petitioning the FCC to abolish the Novice license, because processing the applications is too much work for the FCC to handle with its present staff. However, he said that the VE program is working fine and relieves the FCC of much of the workload. John noted that the new ("codeless") Technician license has created a few problems but is working well on the whole, and that a fair percentage of those who have entered the Amateur ranks via the new Technician license have upgraded. John also said that the League is moving to process DX Century Club applications faster, in part by appointing more DXCC Field Representatives to field-check QSL cards for initial DXCC applications. After some questions and answers, the program ended, and the club turned to new business - mostly planning for Field Day.

Charles Attaway, who joined in February, now has his Novice ticket and call - KD4NEM. Congratulations! Congratulations also to Marc Anderson, who passed his Novice exam and is awaiting his tick-tick-tick-tick-ticket. Marc joined during the meeting, becoming the 36th member. Visitor Carl A. Johnson - KB2ECN, who moved from New York, also attended.

Public Service:

ARES Arlington County Emergency Coordinator Rick - N4ASX thanked the following operators for providing communications support for the club's sponsor, the Arlington Chapter of the American Red Cross, at the 10K Crystal City Run on Sunday, May 17: Bob - KI4MB, Craig - N4EFJ, Frances - KD4AXW, Harry - N4CWP, Rich - KA4GFY, Rick - N4ASX, Tom - N4BYF, and Tom - W4LMW.

Thanks also to Tom - N4BYF, who provided communications support for the American Lung Association 100-Mile Bike Ride from George Mason University to Fredericksburg, VA.

June Meeting:

As this went to press, Dr. Dennis Bodson, Assistant Manager of the National Communications System, Office of Technology and Standards, was slated to talk about emergency government communications at the June 16 meeting. Dennis co-authored an article on this topic in the March 1992 issue of *IEEE Spectrum*, and a more technical article on federal standards for HF radio Automatic Link Establishment (ALE) in the May 1992 issue of *QST*. Dennis is better known to Arlington ARC members as their Vice President - W4PWF.

Field Day 1992:

By the time you read this, Field Day 1992 will be history. Thanks to all who turned out to make the annual Arlington ARC/Alexandria ARC exercise in Ft. Ward Park the peak experience that it always is.

July Meeting:

The program for the club's July 21 meeting will be a surprise; one possibility is a very interesting demo that cannot be scheduled for sure until later. The club net (Tuesdays at 1930L on 145.47 MHz) may be the first official source of info. Stay tuned!

Mike - NW3V

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Mt. Vernon Amateur Radio Club

Meetings: Second Thursday of Each Month, 7:30 p.m. (except December)
Mt. Vernon Governmental Center, 2511 Parkers Ln., Alexandria

Repeater: WD4PDP/R 146.055 input 146.655 output

Nets: Every Tuesday at 8:00 pm (0100 UTC Wednesday's)
Starts on 2-meters then moves to 10-meters on 28.405

Information: Chris Morrow - W4WYL (703)765-5964

Training Classes: John Forrest - WZ4A (703) 971-3905

Mailing Address: c/o Frank Mackey - N4GUS, 8072 Athena St., Springfield, VA 22153

THANKS are past due to James Burns for our April program about Turkey. He brought slides and talked about his travels about the country. THANKS are also due to Loyd - K8EI and Frank- N4GUS for the May program about packet radio. Their expertise and time are very valuable and we appreciate their effort to provide a very interesting evening.

I am sorry that I missed the meetings and cannot properly thank the people who visited us. We are very pleased you visited and hope you can come again. WELCOME to new members: Frances T. Zakrajsek (call on order) and Chris Grabiell - KD4LST!

Other than a solar flare on Friday and a major proton event, geomagnetic storm and polar cap disturbance on Saturday, MVARC's special event (in May, in commemoration of Fairfax County's 250th anniversary) went real well. Despite the less-than-favorable conditions, we "met" about 400 people on the air. A lot of MVARC folks made major contributions to the event. In fact, this was like a mini field day, which is one way of saying there were too many

who helped to be listed individually here. Many THANKS to all - we really appreciate your contribution of time and effort.

In the May testing session, we applauded lots of test-takers including MVARC members David-WA1LBP and Lynn - KD4ILP (both upgraded to extra). CONGRATULATIONS to all who got new licenses or upgraded! [Remember, the exams are the second Saturday of each month at Lee District Park in Fairfax County at no charge. Pre-registration (and information) is available by calling Frank-N4GUS at 703-455-1510. Walk-ins will be welcome. Anyone interested in being a VE or helping at the exams (you don't have to be a VE to help out) should also get in touch with Frank.]

By the time this is published, field day will be over. Wow! (I'll bet we had a ball, as usual!!)

We'll be looking for you at the meeting July 9th.

Marci - KM4VM

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Tri-County Amateur Radio Club

Meetings:	Semi-annual business meetings, time and date announced on the air and in the club newsletter.
Repeater:	KA3LAO/R, 147.780 MHz in; 147.180 MHz out.
On-the-air:	Tuesdays at 1930 hours (Local time). Amateur Radio Newsline Tuesdays at 1915 hours (Local time).
Mailing:	P.O. Box 10592, Silver Spring, MD 20914

If you noticed the improved repeater performance lately, you can thank (blame?) John - KA3LAO, Dave - N3EJT, and Curt - AL7LQ, who spent valuable weekend time replacing the 1/2" antenna feed line with 7/8" line. Despite all the weatherproofing, a small amount of water was still found in the old feed line. This new configuration should not have this problem!

Speaking of performance, have you noticed that the repeater has been a lot "quieter" lately? Our trustee, John - KA3LAO, was able to locate one of the sources of the interference and, in his usual persuasive way, corrections were made. Thanks, John!

The planning for our Holidayfest '92, to be held at the P.G. Community College, Largo, Maryland, on December 6, 1992, is beginning to warm up. Everyone who participated last year had a good time and we expect that this joint effort with the Goddard ARC will be even better this year. If you would like to help out, join our on-the-air net and we will be glad to direct you to the appropriate committee chairperson.

Summertime brings many outside activities, increasing the dependence on portable rigs. Make sure you have checked out your rig, spare batteries, and the emergency equipment for your vehicle. Being prepared for those emergency situations we come across during our travels is a hallmark of the Amateur community.

AUTO-CALL provides this space for the benefit of club members and the general Amateur community. If you have any information of general interest that should be included here, please give me a call.

Heard On The Repeater: This feature attempts to provide useful suggestions for efficient and effective use of the repeater:

- Although discussed before, apparently it needs to be repeated. Please take a minute to listen to the frequency before transmitting.

Since the new technology rigs make it very easy to change frequencies quickly, special attention to proper operating techniques is needed. Take a moment to see if a QSO or net is in progress.

- All users should let our newcomers know there is an initial delay when our repeater is first brought up. It is obvious that many users still are not aware of this noise reduction feature. If you hear someone who has chopped off the first part of their call or the call of the person they are calling, let them know to hold the transmit button a second before their initial transmission. It is only necessary to do this after the repeater has dropped for more than 30 seconds.

- If you are an autopatch user, make sure you have a good signal into the machine before activating the patch. While a marginal signal could support the activation of the patch, it does not make for good communications with the party being called. Mobile conditions can change your signal quickly and possibly result in the loss of control.

All are welcome to join the Tri-County on the air net which meets each Tuesday at 1930 local. Make sure that you are listening at 1915 to hear the latest NewsLine information, ARRL bulletins, and the latest exam schedules throughout the area.

New members are always welcome to join the Tri-County ARC. We have a family membership plan which makes it convenient for our growing Amateur families. For membership information contact us at the post office box, join us during one of the Tuesday net meetings, or contact Paul, N3GII, Tri-County Membership Chairman.

As vacation time is upon us, don't forget that Tri-County ARC also operates a repeater in Ocean City on 147.015 (KA3BAF). All are welcome to use this machine when in the area.

Greg - WA3FSC

Vienna Wireless Society

25 Years of Public Service

Meetings: 2nd and 4th Fridays of each month, 7:30 PM
Vienna Community Center, 120 Cherry Street, Vienna, VA

Repeaters: K4HTA/R 146.085 in/146.685 out, 222.340 in/223.940 out,
448.250 in/443.250 out, 443.375 in/448.375 out

Nets: Vienna Emergency Net every Thursday at 7:30 p.m. 146.085 / 146.685.
Pow Wow Net every night except meetings at 9:00 PM on 28.444
Slow Speed Code every night except meetings at 8:30 p.m. 28.390 MHz

Information: Margy Patterson - N2JRG (703) 620-1727

Training Classes: Paul Wilkins - AB4CY (703) 560-2779

Mailing Address: P.O. Box 418, Vienna, VA 22183

Our meeting of May 8th featured Nancy Draheim - NK4U with lessons from the QSL bureau. She explained what the volunteers do with all the DX cards. The bureau handles cards by the pound. After seeing what is involved, everyone who attended will be much more careful to send in their 6x9 envelopes with the proper postage.

At our May 22nd meeting Barbara McNaught from the National Weather Service gave our second training session for SkyWarn. The SkyWarn net has been used to deliver weather information to the Weather Service quite often. With the summer comes thunderstorms and the dangers of flooding and lightning strikes. We were taught how to identify different aspects of a storm and what information is needed by the Weather Service to analyze severe weather. SkyWarn Spotter

cards will be issued to those who didn't have them and certificates were given to those completing the second stage of training.

I'm sure everyone is looking forward to Field Day, June 27-28!! Art Van Wagenen - N4JMJ is our Field Day Chairman and assures us of a great event. The VWS always has a big Field Day at Burke Lake Park. If you would like to join us drop by. We will have our regular Friday meeting the night before (June 26) at the Vienna Community Center.

The VWS will be participating in the Vienna Fourth of July festivities. Ann Wimmers - KD4KCT is in charge of this event and will have a station set up for all to see. This event is a good way to bring the world of Amateur Radio to the non-ham public.

Margy N2JRG

Department of State ARC

Meetings: First working Monday of each month at 1200 Noon.
Main State Department Bldg, Room 3524, Washington, DC

Foreign Service Net: Every Sunday, 1500-1530Z on 14.316
1530-1600Z on 21.416 and 1600-1630Z on 28.416

Repeater: W3DOS/R 145.19 MHz (open rpt), Round Table, Thursdays 2030L
W3DOS/R located at 23rd & D Sts. N.W. Washington, D.C.

Field Day will be held at the Temple Hills Community Park, 5300 Temple Hill Rd., Temple Hill, MD. Phone (301) 894-6616. For further details contact Tom Warren at 301 894-6678 (H).

DOSARC members operated from Military sites during Armed Forces Day, May 16. They included Tom Warren, K3TW operating from the Coast Guard Station NMH and Fred Laun, K3ZO and John Swafford, W4HU operating from Air Force facility AIR.

Woodbridge Wireless, Inc

Meetings: 2nd Tuesday of each month, at 7:30 p.m. [1/92 change]
Canteberry Woods

Repeater: WB4FQR/R 147.84/24 and 449.9/444.9
WB4GJZ/R 223.18/78

Nets: Mondays, 8:00 p.m. local (0100 UTC) 147.84/24, 223.18/224/78
(the repeaters are linked for the net.)
Wednesdays, Slow CW at 8:00 p.m., 21.164 MHz
Saturdays 9:00 p.m. - in new 10 Meter Novice band 28.460 MHz SSB

Mailing Address: P.O. Box 112, Woodbridge, VA 22194

This is being written quite early for the July edition, but here goes. Preparations are underway in earnest for Field Day. Hopefully, we'll report next month on another successful outing for the WWI which uses the call, W4IY. Things have been busy otherwise.

Thanks to President Dale Carlsen - WA2IKI for organizing, and to WJ4M and KD4IEA (both Jims), Gary - KC4RGD and Jason - KC4RFB and another Jim - KC4ZHQ for making the May CROP WALK a safe one. Various folks walk the 6-kilometer course for donations to send food to needy people in the county and overseas. Everyone finished in good fashion. The net was interrupted once to report an auto accident near the finish line.

Here are some shorts from the May meeting: Stan - KD4IEB reminded members about the availability of WWI golf shirts, windbreakers, and winter jackets. Interested members should contact Stan at (703) 590-7457.

Mike - KA4RRU announced that Garfield High School will have an Amateur Radio Club next year. Mike will be the director of the club. As the club will be just starting out, any donations of equipment, coax, antennas, or pieces/parts would be greatly appreciated. Mike can be contacted at (703) 670-8994.

Bob - NQ4K reports: "WWI has been well represented by several dedicated members in providing week in and week out coverage for the Northern Virginia Scholastic Rowing Association Crew Regattas. WWI was noticed and was well appreciated during the seven Regattas covered from March through June. Kudos go to: Gerald - KC4RGD, Jason - KC4RFB, Nicky - N4GGB, Dean - WB4EII, Jim - KD4IEA, Stan - KD4IEB, Joel - KD4JQX, Rick - KC4PYS, Jim (CQ Field Day - W4IY) - sorry, I was

getting some practice for FD, Jack - WD4KOF, Ray - WW3M, Art - KC4CSO, Mike - KE4ER, Dale - WA2IKI, Loyd - K8EI, and Bob - NQ4K. My apologies if I missed anyone. There will be one Regatta in October - The "Head of the Occoquan" - which is a different format. Thanks, Bob.

In other news, Robin - N4VZU, will be unable to finish her term in office as treasurer because of an impending move. Ed - N4LJZ will take over the responsibility for the position until the next election.

Jason Nugent reports: "Just a reminder for all the young hams that the Young Ham Net meets a 2:00 p.m. Sundays on the repeater. The repeater has been programmed as a reminder about the net." (We have a number of pre-teen aged members in the club, but the words "teen ham" had to be used for the net because the repeater controller does not have the word "young" available. I plan to start accessing the 220 repeater to give Novices the opportunity to join in the fun. Any topic of interest to young hams is open for discussion including hobbies, scouting, sports, video games, and school. We even will allow hams that are "young at heart" to at least check in. Hope to hear you Sundays on the Net. 73,
Jason - KC4RFB."

That's it for now. Hope your Field Day and Summer are great.

Jim - WJ4M



National Capital DX Association

Meetings: Irregular.
Contact the Secretary for information.
On-the-Air: Every Sunday at 8:30 p.m. on 147.420. All are welcome.
Information: Craig Stevens - KZ3H (301) 774-3410

The Fowlfest is dead. Long live the Fowlfest! After more than a few years of all the local DXers and testers wandering around his back yard getting cricks in their necks from looking up at all his antennas, Fred Laun - K3ZO has decided not to host the annual 76NCDXA/PVRC Fowlfest this year. Marty Johnson - W3YOZ came to the rescue by offering his property on the Bay for our use. This is the site PVRC has been using for Field Day. The Fowlfest will be on Saturday 15 August in the afternoon. Directions will be published in both clubs' August newsletters. See you there.

Work on DXPO is rolling right along. I finally have a full program of speakers, although there are two more I still want to add. Chuck Hutchinson - K8CH will be here from ARRL to

check QSLs for DXCC endorsements, and we will have the NCDXA DXCC Field Reps on hand to check initial DXCC applications. DXPO is on 10 and 11 October at the College Park Holiday Inn. Be there.

DX-PEDITION to TUNISIA. NCDXA member Joe Sciuto - N4MQX and Karl Heinz - DK2WV are planning to put 3V on the air sometime this fall. This will be a very popular operation. 3V places 17th on a recent most wanted survey by the DX Bulletin. This should be one operation where obtaining QSLs is not a problem. WFWN (work first worry not). Be sure to stand by when you hear KO7V calling in the pileups. 73 and Good DX,

KO7V

Quarter Century Wireless Association Washington, DC Chapter #23

The FAR/QCWA Annual Spring Banquet was held at Martin's Cross Winds in Greenbelt, Maryland on Sunday, May 10. Washington, DC Chapter #23 and Vic Clark (No. Virginia) Chapter #91 sponsored this affair in conjunction with the Foundation For Amateur Radio. John Simpson, the recently retired Director of the U.S. Secret Service, was the guest speaker for the occasion. He explained the mission and responsibilities for this important government activity. It was a most interesting talk.

Golden Anniversary awards were recognized for the following Chapter #23 members:

65 Years - Granville Klink - W3AFV.
60 Years - Hugh Turnbull - W3ABC, Frank White - W4OEZ
50 Years - John Corkill - W3RMQ

Golden Anniversary Awards were also presented to several Chapter #91 members, including 70 Year certificates to Jack Kingman - W4JT and Chuck Stay - W4HE.

The Banquet date coincided with Mother's Day and, as a consequence, the attendance was down to about half of that normally expected. We hope to do better on the date next year.

Stan Brigham - W3TFA
Sec'y/Treas Chapter #23

Northern Virginia FM Association, Inc.

Meetings: 3 times per year (fall, spring, winter)
Weekly Nets: NVFMA Net: Every Wed., 8:00 PM local, 146.79
 ARES/Public Service Net, Every Sun., 9:00 p.m. local, 146.91
 On Air Equipment Clinic, First Wed. 7:30 p.m. local, 146.79
Repeaters: 2-Meter: 146.79- (W4LBL-FFX City) & 146.91- (W4XG-Tysons Corner)
 440 Mhz: 444.75+ (K4JYF-Tysons Corner)
 220 Mhz: 224.50- (WB4YHD-FFX City & X-linked to 146.79)
 224.34- (KB4CVL-Tysons Corner)
 1292.1 MHz out / 1272.1 MHz in (K6LEW-Tyson's Corner)
Membership Info: Norm Rosenthal - KB4VLP, (703) 425-7108 or
 Margaret Lindsley - KB4IKU, (703) 818-8182
Mailing Address: NVFMA, P.O. BOX 486, McLean VA 22101

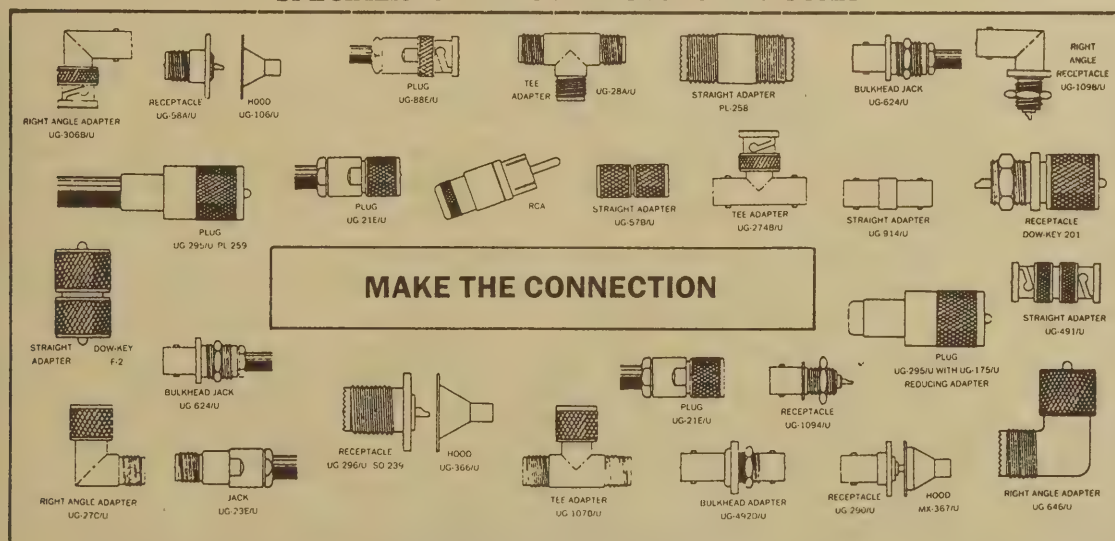
The W4XG (146.910-) 2-meter repeater is located on a commercial building near the intersection of I-495 and Route 7 in Tysons Corner Virginia. The installation consists of a GE Master II continuous duty repeater connected to a Celwave 6db 4 bay exposed dipole antenna. The repeater has autopatch for NVFMA members and coverage from Baltimore to Annapolis to Stafford to Front Royal. Remote receive sites are located at Burtonsville, MD, Independent Hill, VA and Pentagon City, VA.

This repeater is regularly used for emergency and public service nets and communications due to its excellent coverage of the national capital area. The Amateur Radio Emergency Service (ARES) net is held on this repeater each Sunday evening at 9:00pm local and everyone interested in public service is welcome to check in.

Dan - KC4OCG

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Laurel Amateur Radio Club

A Volunteer Examiner Coordinator

Meetings:	4th Wednesday of each month (except November & December) 8:00 p.m. at Harrison-Beard Building on corner of 9th and Montgomery, Laurel, Maryland.
Social:	2nd Wednesday of each month except December. (Call for directions.)
Nets:	1st & 3rd & 5th Wednesday of each month, 8:30 p.m. on 147.54 simplex.
Mail:	P.O. Box 3039, Laurel, MD 20709-0039
Exams:	3rd Saturday of each month, 10:00 a.m. at Maryland Radio Center.
Information:	Jim - WI3N (301) 725-6829 or Pud - W3DQI at (301) 498-6293

This spring the Laurel club has been involved in three straight weekends of public service activities.

On April 25, eight members responded to a request from ARES for help with the Prince George's County "Christmas in April." We stopped by 18 different projects, picking up waivers for all the people who volunteered to fix up various homes. Our area of responsibility ranged from Bowie to Laurel to Mt. Rainier.

Hard on the heels of "Christmas in April" came the Montpelier Spring Festival. By 0830 Sunday, May 3, our booth was being erected, shadows linked up with officials, and others were stationed at the entrances. In all, 13 members participated during the day. One feature that was new this year was soliciting traffic for the NTS. Buck - KC3Y and wife Bev handled 116 pieces of traffic. We had an HF

station set up and some of the no-code members got to work some DX.

May 9 saw the club setting up its booth once again on Main Street in Laurel for the Main Street Festival. From 0630 to 1700 we shadowed officials and were the information booth. Our booth was equipped with a 4500 BTU propane heater and shrink-wrapped by H.D. - N3LFL with blue sheet plastic he uses to winterize boats. The day was cloudy with only one sprinkle and, as a plastic surgeon might say, it was nip and tuck with the rain. With the all day festival and parade, Main Street is our premier public service event with 22 members pitching in to make it a success. We had two base stations set up because we separate street activities from parade activities. This is a fun event and well attended by the membership.

Jim - WI3N

Widow's Assistance Program

The Foundation's Widow's Assistance Program has been in operation for many years and has accomplished a great deal for the families of our Silent Keys. The program offers to help widows (and other family members) evaluate and dispose of radio equipment in an Amateur's estate. Listings of Estate Sales are carried in the Shack Sales of Auto-Call magazine free of charge, and major items may be offered for sale at local hamfests, etc. No fee or commission is charged the families.

One other option that should be considered is donating equipment to a club and taking a tax write-off for the charitable contribution. The Widow's Assistance Program can help you find a club that will make good use of the equipment. Some commercial operations are also willing to purchase the complete list of equipment and clear everything out at once. This may be the quickest solution in disposing of an estate.

Every ham is encouraged to maintain a list of his/her radio equipment, with realistic evaluations, and instructions on the disposition of any specific items you would like to have go to a special person or organization. Keep your family advised of your wishes.

For more information about the Widow's Assistance Program contact any local Foundation member club or call (301) 262-1917.

Maryland Emergency Phone Net

Meetings: Every night, 3920 kHz, 1800 local time (All are welcome)
 Net Manager: George Korper - WD3W
 Secretary: Jim Mc Coy - N3EI
 Treasurer: Rino Masso - KC3ZJ
 Directors: KD3JK, WA3YLO, K3ONU, W3DQI (Alternate)

The Maryland Emergency Phone Net (MEPN) is a club, a member of the National Traffic System (NTS), and meets every night on 3920 kHz at 1800L for the purposes of training operators in net procedures and traffic handling; to handle traffic for Maryland and the District of Columbia; and to establish communication links in these areas so that, in the event of an emergency requiring Amateur Radio communication assistance, the MEPN will be prepared to exercise these links until the emergency subsides.

All Radio Amateurs are invited to participate in the Maryland Emergency Phone Net. Those wishing to join the club and receive the monthly bulletin and rollcall sheet should contact either WD3W or N3EI. Yearly dues are \$7.00. There are currently 48 members.

The MEPN picnic is just around the corner, and all are invited, members or not. Sunday, July 12, at the Davidsonville Family Recreation Center (where we had it last year). Talk-in on 146.52 or 147.105)+600). Short business meeting to discuss the Emergency Operating Plan. Also, we hope to get a tour of the AARC facility again, Tony.

Over the past several months, several MEPNers have upgraded to Extra Class, but retained their old callsign, so I will tell you that Bob - KD3JK and Tony - WA3YLO have gone all the way. If there are others, please let me know for a future issue of Auto-Call.

On May 3 the Laurel ARC provided communications support and an Amateur Radio display at the Montpelier Arts and Craft Festival. Buck - KC3Y, with fantastic help from wife Bev, generated and sent about 125 messages - about half of which went outside Maryland. Using 80- and 40-meters, Buck sent traffic to Charlie - NF3X, John - K3NNI, Gordon - WJ3K, and Al - W3YVQ for insertion into the NTS. The sound of CW could be heard for quite a distance from our display, and that was enough to get their attention. Then Bev took over with gentle persuasion, and that was that! Good job, Everyone. Thanks from LARC and MEPN.

Here are the reports (NARs), as reported to WD3W.

<u>Callsign</u>	<u>Check-ins</u>	<u>Points</u>	<u>Callsign</u>	<u>Check-ins</u>	<u>Points</u>	<u>Callsign</u>	<u>Check-ins</u>	<u>Points</u>
March Report								
W3BIN	22	22	W3BRS	19	19	W3DQI	15	22
K2EB	19	42	WA4GGH	26	26	KD3JK	10	35
WJ3K	14	52	K3ONU	27	27	K3RPT	25	25
W3SWD	19	19	K3TNM	4	16	K3USO	27	27
WA3UVQ	26	26	W3VBM	19	22	W3YVQ	17	38
February Report			KD3JK	26	124			

For the same period, the MEPN met 31 days, had 663 total check-ins and 104 pieces of traffic. You can see that several stations are very active and do a lot of the backbone work for our net.

Finally, don't forget Field Day on June 27/28. Bonus points are available for sending traffic, and also for sending a message to the section manager, NI3F. Saturday's pre-net is a good time for that. Ken's address is readily available on page 8 of QST.

Come join us on the net.

See you on the air.

Pud - W3DQI

Metropolitan Communications Network

Representing Six Meters in the Greater National Capital Area

Meetings: Quarterly, on the second Sunday of the month.
Time and place to be announced.

Repeater: N3AGB/R, 52.250 MHz in; 53.250 MHz out.
Accessible on 147.36 MHz and 444.35.

On-the-air: Saturdays at 2000 hours

Mailing: Bob Sporn - WA3GGO, 9927 Cottrell Tr, Silver Spring, MD 20903

Information: Bob Sporn - WA3GGO (301) 434-1719

THE SUNDAY MORNING COFFEE NET (50.4) MHz at 0900 Hours. The number of check-ins continues to grow. Our latest new check-ins are Kenneth L. Pearce - N3JEY and George E. Scott - WA3FKT of Accokeek.

MARYLAND FREE STATE SIX METER SIDEBAND NET (50.125 MHz) Sundays at 2000 Hours
Under Vice-President Chris Kushay's guidance, the net has been prospering. In the near future yours truly will be back on Sunday evenings with the net. With available facilities via 147.36, 444.35, 50.4 and 50.125 USB, there is ample opportunity to join our net.

Bob - WA3GGO

Green Mountain Repeater Association, Inc.

Meetings: Board of Directors / Control Operators, Last Monday each month.

Luncheon: First Saturday each month at Fountain Cafe, Laurel Shopping Center Mall, Baltimore Ave., U.S. Rt 1 and Cherry Lane. Starts at 11:30 a.m.

Repeaters: KD3VR - 146.61 (Cheverly) and K3GXF - 146.88 (Greenbelt)

Mailing: GMRA, P.O. Box 429, Riverdale, Maryland 20737

Information: Boyd Nelson - KZ3Z (301) 434-0934

The 146.88 repeater was temporarily out of use on May 14, due to some excavation work by WSSC at the water tower near the repeater site. Joe Nunemaker - KD3VR was able to correct the problem temporarily for week-end use.

The 7/8" hard line coming off the water tower is buried below ground until it reaches the repeater shack, where it is connected inside. The hard line had to be dug up and uncoupled. Due to Joe's ingenuity, he was able to run the line from out of the top of the shack, overhead and strapped to a steel frame 10 feet above ground. The line then descends down through 3 inch PVC back under the ground close to the concrete base of the water tower, hopefully, out of harm's way.

Most of the work, which was digging up the hard line with pick and shovel, was done on Monday, May 18. Carey - N3GYB did some

digging over the week-end. Joe - KD3VR and Kenny - N3HLY dug the remaining 25 to 30 feet to the shack. Then it was possible to remove the cable from out of the shack and out of the ground. Joe re-routed the cable overhead and completed the tedious task of re-coupling. C.T. - K3GXF drilled holes near the roof of the shack and through rafters for the hard line. J.P. - N3KHP also assisted with the work and Paul - W3HFA put his final seal of approval on the finished work.

The repeater was back on the air Monday evening shortly after 5:00 p.m. Many thanks to all that helped. Don't forget the "Lunch Bunch" meeting the first Saturday of each month at the Fountain Cafe in the Laurel Mall Shopping Center. Bring a friend or relative along as your guest. See you there.

Ken Easton - N3HLY

T-MARC

The Middle Atlantic FM and Repeater Council

Frequency Coordinating Committee

1419 Larch Road, Severn, MD 21144

Recent Coordination Activities

The committee coordinated a proposed new 1277.250-in/1241.250 MHz ATV repeater in North West Baltimore to The 1200 Club.

There once was a 444.950 MHz repeater in northern Delaware, but due to the demise of the sponsoring organization, the coordination was canceled. A new sponsor has come along, so 444.950 MHz has been newly re-coordinated to KA3JRG & WB3IKP.

The committee coordinated a new 52.050/53.050 MHz, 147.765/147.165 MHz, and 223.300/224.900 MHz repeaters to F.O.R.C.E. in northeastern Maryland.

Also, re-coordinated KB4CVL's 224.340 MHz repeater at its new location at Tyson's Corner, Virginia.

Cancellation of the coordination of the Great Falls, Virginia 444.050 MHz repeater was requested by the sponsor who moved from the area.

Coordination of a proposed new 444.125/449.125 MHz repeater was made to the Maryland Mobileers A.R.C. at Millersville, Maryland.

The committee coordinated a proposed new 52.37/53.37 MHz repeater to KB4CVL near Tyson's Corner, Virginia.

The Columbia A.R.A. at Columbia, Maryland received coordination of its proposed new 443.275/448.275 MHz repeater.

At the request of the sponsor, who has moved from the area, the committee canceled the coordination of KA7UEC's 443.325/4448.325 MHz repeater at Laurel, Maryland.

After numerous inquiries and other correspondence were returned by the U.S. Post Office as being un-deliverable, the committee had to cancel the coordination of the Association's 222.44/224.04 MHz repeater in

northern Delaware. The committee has no idea as to whether the repeater is still in operation. (Note: T-MARC needs to be kept informed of currently valid mailing addresses for all repeater sponsors. If an organization or sponsor moves, please let the committee know of the new address.)

The Frequency Coordinating Committee coordinated a proposed new 224.660 MHz repeater to KD3GS at Greenwood, in southwestern Delaware.

Coordinations were issued for: a new proposed 443.700 MHz repeater to W3GQP in northern Delaware; a new proposed 442.000 MHz repeater to the Stafford A.R.A. in eastern King George County, east of Fredericksburg, Virginia; and a proposed new 442.650 MHz repeater to the Capitol Area Radio System in downtown Washington, D.C., which is intended to be linked to the Lake Ridge Radio Club's 443.100 MHz repeater near Woodbridge, Virginia.

W4AQD's 145.350 MHz repeater at Falls Church, Virginia has been off the air for several months. After numerous inquiries went unanswered, T-MARC canceled the coordination of this repeater.

The Sterling Park A.R.C. has had a 223.720 MHz repeater proposed for many months, but never went into operation. After several status inquiries went unanswered, T-MARC canceled this coordination.

The Southern Patuxent A.R.C. plans to add some remote receivers to their recently coordinated 147.195 MHz repeater at Leonardtown, Maryland. T-MARC coordinated some UHF link frequencies for these proposed new satellite receivers.



Shenandoah Valley Amateur Radio Club

Meetings: First and third Fridays of each month at 7:30 p.m.
The SVARC clubhouse at 2921 Grace Street in Winchester, VA.
Repeater: 146.22 in 146.82 out
Net: Shenandoah Valley Emergency Net, 7:15 p.m. daily, Winchester Repeater
Mailing Address: P.O. Box 139, Winchester, VA 22601
Information: Sean McClanahan - WD4RPV (703) 869-4374

The spring fever biathlon was held May 10 and was again supported by the club. This year our Emergency Services director headed the event. Sean - WD4RPV tells me all went well.

At a recent QCWA dinner meeting, club member Frank - WB4YRB gave a talk and presented a video on the Winchester Medical Center's new communications center system that he and fellow club member Ed - K3THD designed and assisted in getting into operation. Frank has been working for over two years on the local 2020 project.

By the time this goes to press, my wife, Bettie, will have received her license. She passed her test at the Hagerstown, Maryland VE test session on April 25. Bettie has supported me in this hobby for over 25 years by attending hamfests,, cleaning my ham shack, and allowing me to clutter the basement with my treasures. She is a SVARC member and ARRL member, and is a SKYWARN spotter.

New club members are Norm - N3FAX, Bill - KD4JBY, Alan - WA2RPX and Mark - KD4HRI. Welcome to SVARC.

At a special club meeting on May 15 we voted to do an extensive building project to extend the present club building and make it accessible for the handicapped. We will extend the present garage. Thanks to Mike - W4ACC and Charlie - K4LWG and all who worked on planning this project.

We will have some TV stars in the club on May 25. Sean - WD4RPV, Irv - KD4BHV, and club president Guy - W4PSJ made a video which will be shown on local cable channel 6 on May 25. The purpose of the tape is, of course, to promote Amateur Radio and to make the local community aware that there is a local emergency communications group available in the event of an emergency.

Walt - WA4HVV

It's April Again!

*The following item appeared in the April 23rd issue of Westlink Report.
We hope it tickles you as much as it did us. W4ZC*

"Metal Eating Termites Could Destroy Your Station, by Jay Coote, WB6AAM.

A new species of termite, *Termes Metalicus Ferox*, has been discovered in parts of Mexico and Central America. The new species is believed to be the result of a failed Cuban-Nicaraguan Experiment that took place in 1978. The purpose of this experiment was to place irradiated termites (*Termes Flavipes*) in heavily infested areas, hoping the irradiated termites would breed with the other termites and produce sterile offspring.

"The new subspecies often nests in objects made of aluminum and other non-ferrous metals. *Ferox* seems to prefer aluminum tubing as found in some antennas and conduits. *Ferox* does not ingest aluminum or other metals, but does secrete a substance that deteriorates metals. Part of a communications antenna made of tubular aluminum was observed to fall off twelve days after a *Ferox* swarm began nesting in the antenna.

"It is predicted *Termes Metalicus Ferox* may arrive at the southern U.S. border as soon as April 1, 1994".

Maryland Mobileers

Meetings: First Friday of each month at 7:30 p.m.
Anne Arundel County Emergency Operations Center, Crownsville, MD
On-the-Air: Every Monday night at 8:30 p.m. on 146.205/805
Address: P.O. Box 935, Severn, Md 21144
Information: Bill Howard - WB3V (410) 551-6775

Most hams have encountered Murphy's Law. We had a good demonstration of the law on Armed Forces Day while trying to operate from the submarine *Torsk*.

Although our hard-working members had set up antennas on the submarine a week early and checked out the equipment, during the middle of the operation Mr. Murphy did his thing with an HF vertical and the VHF coax. Fortunately, another HF antenna was available, but time did not permit running another VHF coax through the submarine. Maybe Mr. Murphy was trying to tell us something about Field Day preparations.

Work on the new 440 MHz repeater is moving right along. New crystals have been ordered, duplexers have been tuned, and the machine should be on the air by early summer.

Our last meeting saw 58 people in attendance - a new club record. We are now beginning to think of looking for a new meeting place. The present location is becoming "standing room only."

Our "hungry hams" group is growing. In addition to our monthly breakfast, held at Rick's Cafe in Odenton on the second Saturday after the monthly meeting, we now have a lunch bunch meeting at the Homestyle Family Buffet in Glen Burnie on the third Wednesday. It's been rumored that we might even try a dinner meeting.

Speaking of hungry hams, I'm tempted to tell a Dayton story of our president Bill Howard - WB3V and ribs; but that would take up too much space.

Jim - N3EI

AMSAT-NA Annual Meeting and Space Symposium October 9 - 11

All interested in space and Amateur satellites are invited to attend this exciting meeting. It's a perfect opportunity to catch up on the latest developments in the design of Phase 3D as well as digital techniques for use on Pacsats and in other Amateur Radio applications.

The Intelsat Headquarters building is located just off Connecticut Avenue in the far Northwest section of the Nation's Capital. Intelsat has made arrangements with the Day's Inn, a short walk up Connecticut Avenue, for a special rate of \$55 per night for those attending the meeting.

The Saturday night banquet will be served in the beautiful and spacious Intelsat lobby.

In addition to informative papers on all aspects of Amateur satellites presented Saturday October 10, a special educational symposium will be held Friday afternoon October 9. This session will be conducted by Rosalie White - WA1STO of ARRL Headquarters. Plans are under-way to hold a special ARRL workshop on digital signal processing (DSP) somewhere in the Washington area on Thursday October 8 and Friday October 9. Tours of the Air and Space Museum are slated for Sunday October 11.

For further information, write or call the AMSAT office (301) 589-6062.

Montgomery Amateur Radio Club

Meetings:	1st and 3rd Wednesdays of each month at 7:30 p.m. Executive Office Bldg. Montgomery Co. Government Center, 101 Monroe St., Rockville, MD. Park underground on G-2.
Repeater:	146.355 in (Rockville & Germantown)/146.955 out (Rockville)
Mailing:	M.A.R.C., P.O. Box 611, Gaithersburg, Maryland 20877-0611
Information:	Jeff Horlick - KZ3F (301)258-0112; Steve Todd - K2IYQ (301)253-4172
Training:	Ken Nichols - KD3VK (301)977-5405; Dick Hayman - K3DML (301)251-8721

Three Cheers to the Montgomery Amateur Radio's Club New Repeater with its super-enhanced wide area coverage!!! To accompany its recently re-coordinated frequency (146.955 MHz out), M.A.R.C. replaced the old GE Rockville transmitter and receiver with a fully solid-state Motorola MICOR, running 100 Watts out. (FYI, the Club is authorized up to 110 Watts of output power). The improved coverage to the East (I-95), South (Springfield, VA), and North (I-70) is consistently amazing . . . not a day goes by without one or more users of the Rockville Repeater testing the limits of .955's coverage and being rewarded with a "full quieting" signal report.

As always, bringing the new Repeater online was not a "one man band." But we feel compelled to single out Stan-W3INK for his tireless efforts over many months and his dual gifts of time and talent donated to M.A.R.C. Assisting Stan in various technical capacities were Steve-K2IYQ, Mark-N4EOC, and Jerry-N3HVC. Should it become known that one or more "Silent Partners" played a part in this effort, their names, call signs, and roles will be cited in this column. (It's OK to leak this stuff to the press, you know....)

Speaking of sources, we have it on very good authority (Rick-K3YNY) that the regularly scheduled M.A.R.C. Club meeting of May 6 was notable for at least two reasons: high attendance and excellent program presentation. (Attendance figures at M.A.R.C. meetings have been in the 50-to-60-person range for the past 5 or 6 meetings.) Bill Glaser (awaiting call) gave a fascinating presentation on the "History of Radio." All the more appropriate given the recently completed mini-series on Public Television addressing this same subject. As evidence of his credentials, Bill has written a full-fledged book on the early days of Radio and is currently negotiating to have it published via a recognized University Press.

Once a quarter, M.A.R.C.onians take time out from their usual workaday world to just plain socialize at an "Eatin' Meetin'", traditionally held at Ernie's Restaurant and Pub in Gaithersburg, Maryland. May 20th was just such an occasion, and suffice it to say that a "good time was had by all." If you missed this event, not to worry - M.A.R.C. plans to conduct another dinner meeting in the 3rd and 4th quarters of 1992 - hope to see you there...!

Ever the leader in Public Service, M.A.R.C. participated in two events during the month of May prior to publication deadline. Hank-N3ESR did his usual fine job of heading up the Bethesda Chevy-Chase Day Parade on May 3 (again the Amateur Reporter was on business travel status and not able to cover this event in real-time). However, this seems like a good time to mention that Hank also authors a column in *Auto-Call* entitled "Public Service Report" each month which details the names, call signs, and public service activities performed by local Amateur Radio operator volunteers.

Last but not least, the Club wishes to recognize Cary-NI2Q for heading up the Montgomery County Special Olympics Public Service event again this year on May 9. Due to the illness of at least one would-be M.A.R.C. volunteer (Bill-W3WON), Cary issued a general request for Volunteers over 2-Meters on the morning of the event. In addition to Cary, the Radio Amateurs (known to the Reporter) who volunteered of their time to assist young Special Olympians with running, jumping, and soft-ball throwing included Leon-N2ENC and Jon-N3LIM....

Coming to an *Auto-Call* issue near you--a full report on M.A.R.C.'s 1992 QRP Field Day! Please see this column next month; else, do STAY TUNED to .955....

Erinn - N3HSA

SHACK SALES

Noncommercial advertising of Amateur associated equipment is available to subscribers of AUTO-CALL at a rate of 3¢ per word -- with a \$1 minimum. Commercial vendors and nonsubscriber rate is 17¢ per word - with a \$5.50 (1 inch) minimum. Special headings or special spacing (e.g. one item per line) may be used but such ads will be charged at the column inch rate. Estate sales for Widows Assistance handled by a FAR club will be published without cost.

Full name and address must be provided with each ad but need not be published. No ads will be accepted over the telephone and all ads must be pre-paid. Since no effort is made to investigate advertisers, no warranty can be implied.

Copy must be received by the 5th of the month preceding publication.

WIDOW'S ASSISTANCE

Estate of Robert Bailey - WB1FRQ

FOR SALE: SWAN ASTRO 150 SSB Xceiver, Power Supply PSU-5A, SWAN Hand mike, Bumper mount M34, brand new Delux trapped antenna T-15, 40-meter antenna (Hi-Q Balun 1:1 ratio), box of miscellaneous. Also Pioneer LP record player and 2 large speakers. Everything in excellent condition, manuals. Available to try at my house on appointment. Bety Bailey (301) 598-5394, Silver Spring (07) (FAR)

FOR SALE: YEASU FT-101ZD; Excellent condition; HF SSB Transceiver, 10 - 160M. Transmitter recently aligned, includes FV-101Z EXTERNAL VFO & CUSHCRAFT AP8 Vertical Antenna, partially assembled. . \$500 George James. Call evenings: (301) 774-2117; Weekdays (301) 295-8024. (08)

FOR SALE: ICOM IC-27A Mobile. Complete 2-meter coverage 140 - 149 MHz; 2 VFOs; memory; voice synthesized frequency announcer; 5/25W; scanning / priority. With Mic/bracket \$230 Dale - K3PUR (703) 437-4818, Reston (07)

WIDOW'S ASSISTANCE

Estate of Frank Munzer - W3NGY

Miscellaneous Electronic Equipment, including much test equipment, variable voltage power supply, Gas engine generator, RBM-5 Receiver, etc. Manuals with most equipment. Also many components, speakers, xformers, etc. See June issue of Auto-Call for more complete list. Call Mrs. Munzer (301) 530-8126. For technical information, call Bob Hoff - N3DCZ (301) 530-7974. All equipment must be sold. All offers considered. FAR (06)

FOR SALE: Uniden 10-meter Transceiver, Model 2510, with MFJ Verasa Tuner Model 901-B and a Pro-Am 10-meter antenna \$185 Mike - KC4YMK, (703) 241-7787, Arlington Virginia (07)

FOR SALE: Yaesu FT 411 2-meter HT, many accessories; Radio Shack Pro 34 200 channel scanner. Both excellent condition. \$780 invested, sell both for \$500. John - N3LYB (301) 422-9161, Hyattsville (07)

NORM'S ROTOR SERVICE

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Call Norm Jeweler - K3LYW
5263 Agro Drive
Frederick, MD 21701
(301) 874-5885

Need antenna or tower work done?
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WORLD RADIO, Amateur Radio's monthly newspaper can be delivered to your doorstep for only \$14 per year (\$15.09 in California, \$24 overseas). Get the latest on how your fellow amateurs use their hobby to help others. Regular features are Contest and Hamfest announcements, Aerials, Amateur Satellites, Continuous Wave, Digital Bus, DX World, Search & Rescue Communications, FCC Highlights, Mobile, New Products, Propagation, QCWA, QRP, Station Appearance, Traffic, VE Exams, 10-10 International News. Send your subscription to **WORLD RADIO**, 520 Calvados Avenue, Sacramento, CA 95815. (Swp)

FOR SALE: Miscellaneous Equipment

- Hustler 4BTV Vertical 80-10M \$50
- Kenwood Station (orig owner)
(Excellent) TS 520, VFO, 520,
SP520, MC-50 Mic \$550
- 40' Telescoping mast, 18GA, New .. \$40
- "Rare" Heath 1kW mobile linear
Amplifier HA-14 with HP-24 AC
power supply, 80-10M \$325
- Heath SB-220 Linear (orig owner)
Excellent, 80-10 \$550
All above with manuals
- RG-213U, 250' roll, new \$75
- Eimac 3-500Z. New in box \$125
- Kenwood 2-Meter Mobile TM241A
New in box \$370
- Astron 12V pwr supply RS-204A New \$80
- Great Ham Shack Computer:
Commodore SX-64, portable PC with
color monitor & disk built in,
MPS801 printer, 1702 color monitor
with lots of software \$300
- New T.I. Silent 700 Terminal \$75
- Kenwood TS-700S, Excellent, Manuals \$350
- Heathkit HM102 SWR/Watt Meter .. \$25
- Bendix M-450 VHF Nav/Comm
aircraft radio w/manual \$100
- Much more. Call Jason-KC4QYX or
Lloyd-KPMW (703) 444-7243, Sterling(07)

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WANTED: HAM EQUIPMENT AND OTHER PROPERTY. The Radio Club of Junior High School 22 NYC, Inc. is a nonprofit organization, granted 501(C)(3) status by the IRS and incorporated with the goal of using the theme of ham radio to further and enhance the education of young people nationwide. Your property donation or financial support would be greatly appreciated and acknowledged with a receipt for your tax deductible contribution. Please look over whatever unwanted equipment you may have and call us. We will pick up or arrange shipping. You will receive the tax deduction, but most important, the privilege of knowing that your gift really made a difference in the education and upbringing of a child. You are invited to check into the WB2JKJ "22 Crew" CLASSROOM NET at 7 a.m. on 7.238 MHz or on 21.395. We hope to meet all of our friends at the home of KA2DDK, host of the third annual CLASSROOM NET EYEBALL on July 6. RSVP to us or Joe by June 15. Write us at: THE RC OF JHS 22 NYC, INC, P.O. Box 1052, New York, NY 10002. 'Round the clock HOTLINES: Voice (516) 674-4072, also FAX (516) 674-9600 (07)

FOR SALE: HYGAIN Six-Element Triband Beam Model TH-6DXX. Ready for pickup at PGWA club station. \$175 Negotiable. Hersch Dan Miller-W3SWD (301) 927-5837, Hyattsville, MD (07)

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FOR SALE: HUSTLER 4BTV trap vertical with
75-80 meter add on, never installed.
10' ground rod, 5' ground stake, 100' RG8.
Package deal \$125
Jack-WA4CQV, (703) 451-4041, Springfield,
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FOR SALE: Many excellent old instruments for
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Hammarlund models. Most have accessories
and manuals. More than 3000 tubes, etc., etc.
For lists and prices call Everett Ingles at (301)
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FOR SALE: 140 foot Rohn 25G look-a-like
guyed tower, 13 straight, 1 top section, with
manuals. Will trade for some 45G or SSV
sections. Sinclair 2-meter duplexer, model
202G, 4 cavities, hybrid ring, with info \$325
Dave-N3EJT (301) 474-7405, College Park,
Maryland (08)

WANTED: Rohn 45G, 55G or any large
commercial type guyed or self supporting
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Maryland (08)

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Bob Hill - NK3W

200 Agnes Lane, Linthicum, MD
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condition. Joel Ekstrom-W1UGX, Box 59,
McLean, VA 22101 (703) 821-2287 (Home),
(Work) (703) 893-5067 (07)

FOR SALE: GONSET Linear Amplifier, Model
3262, 1200 watts PEP, In good shape.
Four 811 tubes. Will sell or swap ... \$200
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Vienna, VA (09)

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Call Jack-W3VDL (703) 379-5713,
Falls Church, VA (07)

BUYING: All Collins, surplus tube inventories,
tube testers, KW antenna Tuner - Johnson,
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Levy-W5QJT (512) 366-3290, McCarty Suite
#407, San Antonio, TX 78216 (07)

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PL259 High grade	59¢
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N type T Connector	\$1.50
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Lynchburg, VA 24502

SHACK SALES

INSTITUTE OF RADIO COMMUNICATIONS

For high speed CW, theory, Radar and Teletype to prepare the student for any grade of Amateur or commercial FCC license. Call "Red" Barger - W3CVE (301) 568-3185. (07)

WASHINGTON, D.C. AREA HAMS PARADISE.

3 or 4 bedroom, living room, 2 full baths, kitchen, built-in book cases, wood stove plus gas heat. Full basement with finished radio room, office, storage room, shop area and laundry area. Underground utilities, 10 acres - no TV!! Extra large, two car detached garage with RC openers. The K4RZ fire lookout tower at 1800 feet. Walk up the steps - no climbing. Will support about anything you can dream up! 1 hour 15 minutes to D.C., 1 hour to Tysons, 45 minutes to Dulles, 5 minutes to Mt. Weather. Available at \$225,000. Call or write Frank Hoose - K4RZ, 1309 Greensprings Road, New Berne, N.C. 28560. (919) 637-7329 or phone agent Marge Burton at Chase Realty (703) 847-9111. (07)

WANTED: Old, odd, unusual bugs (speed keys). Smiley - WB4EDB, PO Box 5150, Fredericksburg, Virginia 22403 Phone (703) 373-0996. (09)

FOR SALE: Kenwood MC44 mike (not TTP) for TM331A, 631A, 731A, 241A, 441A, 541A10 MFJ812B VHF 144-220 SWR watt field strength meter 30 and 300 watt scales \$20 MFJ280 mobile speaker \$10 Greg - KA3DBG (301) 946-6460, Rockville (07)

REMEMBER The BRATS

Maryland Hamfest and Computer Fest SUNDAY, July 26, 1992

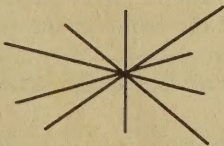
at the Timonium Fairgrounds, Maryland.

Write to: BRATS, P.O. Box 5915;

Baltimore, Maryland 21208, or call

BRATS HAMFEST LINE: (410) 583-9147.

Skypoint Ham Shack



Normal business hours from 10 - 6
Mon - Fri.

Local business conducted by
appointment only. All other business
by mail order.

Herndon, Va. 22070

Call: 703-437-1559

Note new number

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Your Source for clean used gear!

- * Vintage equipment a specialty.
- * Estate buys welcomed.
- * Equipment repair and restorations.
- * Collins equipment a specialty.
- * New equipment sales welcomed.
- * Dedicated to providing good clean used gear.
- * Customer satisfaction # 1 priority.

AUTO-CALL POLICY

PRODUCTION POLICY

Copy for Auto-Call will be accepted in any form - handwritten, typed, compatible computer disk or modem. All hard copy is re-typed to preserve uniformity of style in the magazine. We use Word Perfect 5.1 word processing program, Hayes compatible modem (300 or 1200 baud) and can use either 3½" or 5¼" MS-DOS diskettes. We don't do Windows.

In determining space requirements, figure about 600 words per page (50 lines at 12 words per line), including the space taken up by headings, photographs, etc. Either black-and-white or color photos can be used as long as the contrast is good. Master copy, which is to be reproduced directly, should be in black ink on white paper and should be in proper page ratio. (Copy space is 7" wide by 9" high.) Copy can be reduced or enlarged as necessary.

Columns from Foundation member clubs are eagerly solicited and any items of general Amateur Radio interest are most welcome. The editor does reserve the right to edit or reject any portion of any copy submitted and to make minor changes to make copy fit available space.

SHACK SALES

Deadline for copy is the 5th of the month preceding the publication date. Shack Sales will **NOT** be accepted over the telephone. Full address must be provided for our reference but need not be published. Each ad must include the call sign or the full name of the advertiser. If the full address is not included, we prefer to include the city along with a telephone number so that readers will know whether a long-distance charge is involved. The entire telephone number - including city and state - is counted as only one word. We do not count postal zip codes. Otherwise, each word, abbreviation, model number or group of letter/numbers is counted as one word. Remittance must accompany each ad.

See next column for additional information on advertising. For further information, phone the Auto-Call editor at (703) 536-8469, McLean, VA.

ADVERTISING

SHACK SALES

Non-commercial advertising of Amateur associated equipment is available to subscribers of Auto-Call at 3¢ per word - with a \$1.00 minimum. Commercial vendors and non-subscriber rate is 17¢ per word - with a \$5.50 minimum.

Special headings or special spacing may be used (e.g., one item per line) but such ads are charged at a column inch rate - \$1.00 per column inch for non-commercial ads, \$5.50 per inch for commercial vendors and nonsubscribers.

Full name and address must be provided with each ad but need not be published. No ads will be accepted over the telephone. Since no effort is made to investigate advertisers, no warranty can be implied.

DISPLAY ADS

DISPLAY ADS are "boxed" and may contain artwork or photographs. They may be placed along with the Shack Sales or displayed in other sections of the magazine. Requests for specific locations will be honored if practical but cannot be guaranteed.

Display ads are charged according to size and duration of run as shown below. All advertising must be pre-paid for at least the current month.

		Rates per Issue			
Page	Col.inch	1 Year	6 Times	3 Times	1 Time
Full	18	\$75.00	\$90.00	\$100.00	\$105.00
1/2	9	55.00	65.00	71.00	75.00
1/3	6	40.00	46.00	51.00	54.00
1/4	4½	33.00	38.00	41.00	43.00
1/6	3	22.00	26.00	28.00	30.00
1/8	2¼	17.00	20.00	22.00	23.00
1/9	2	16.00	19.00	21.00	22.00
1/18	1	8.50	10.00	11.00	11.50

Based on camera-ready copy.
Extra charges for halftoning photos
and for in-house artwork or layout.

Copy must be received by the 5th
of the month preceding publication date.
(e.g., Copy for August issue must be received by 5 July)

All Advertising Must be Pre-paid



JOIN ARRL

BENEFITS FOR YOU

QST, QSL Bureau Awards, Low Cost Insurance Operating Aids,
Government Liaison and More—Much More!

MEMBERSHIP APPLICATION

Name _____ Call _____

Street _____

City _____ Prov./State _____ PC/ZIP _____

\$30 in U.S. \$42 elsewhere (U.S. funds) Licensed amateurs or age 65 or over, upon submitting proof of age, may request special dues rate of \$24 in the U.S. \$36 elsewhere in U.S. funds. Persons age 17 and younger may qualify for special rates, write for application.

For postal purposes, fifty percent of dues is allocated to QST, the balance for membership.

VISA, MC, AMEX, Discover # _____

Signature _____ Expires _____

The American Radio Relay League

225 Main St. Newington, CT. 06111 USA AUTOCALL

Atlantic Division Director
Hugh Turnbull, W3ABC
6903 Rhode Island Avenue
College Park, MD 20740
Phone: (301) 927-1797

Roanoke Division Director
John Kanode, N4MM
Rt 1, Box 73-A
Boyce, VA 22620
Phone: 703-837-1340

AUTO-CALL Magazine

P.O. Box 7612

Falls Church, VA 22040-1452

Please enter my NEW _____ RENEWAL _____ GIFT _____ subscription to Auto-Call

For 1 Year _____ 2 Years _____

Subscription rate: \$8.00 per year.

(Sample copy of latest issue \$1.00)

will be applied to subscription

NAME _____ CALL _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____

Make check payable to the Foundation For Amateur Radio

JULY 1992

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1 BARC MARC	2 Anne Arundel	3 Mobileers Shennandoah	4 Stafford
5	6 Adams County Dept of State	7 Antietam PG Wireless	8 Laurel Pentagon So. Patuxent --- FAR ---	9 AMRAD Mt. Vernon No. Virginia MADRAS	10 Alexandria SMARC Vienna	11 Stafford <u>EXAMS</u> Alexandria Davidsonville Chesapeake
12	13	14 Frederick Fauquier Woodbridge	15 BARC Goddard MARC QCWA #137	16 Anne Arundel QCWA #20	17 Rock Creek Shennandoah	18 Cap City Tri County Stafford <u>EXAMS</u> Laurel Wash DC
19	20 Ole VA Hams	21 Antietam Arlington	22 Laurel	23 MADRAS St. Marys	24 New Carrollton Vienna	25 Stafford
26 Adventists	27	28 <u>EXAMS</u> Annapolis	29 QCWA #20	30	31	

NCDXA Net every Sunday 147.420 at 8:30 p.m.

Nonprofit Organization
 U.S. Postage Paid
 Arlington, VA 22210
 Permit 757

AUTO-CALL

P.O. Box 7612
 Falls Church, VA 22040 - 1452

ADDRESS CORRECTION REQUESTED

92/09 02649
 ALFRED A LAUN III K3ZO
 PO BOX 31097
 TEMPLE HILLS MD 20757

Jul '92